STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM :	3
--------	---

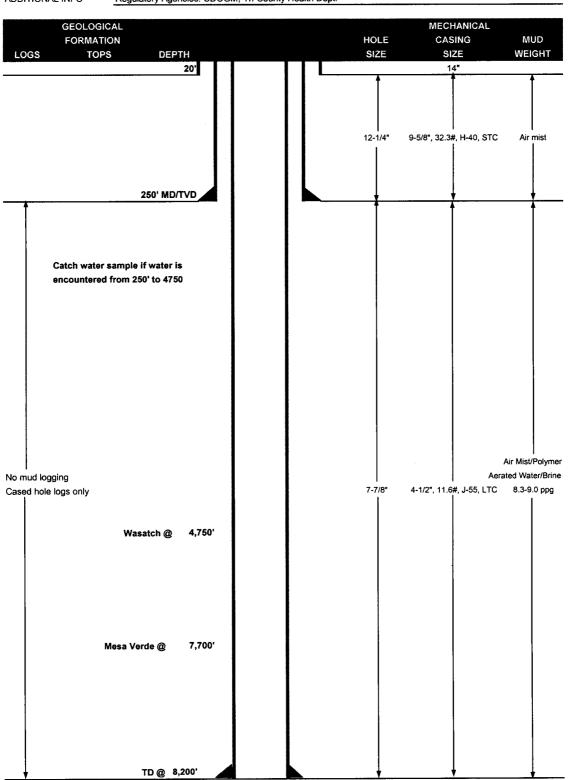
AMENDED REPORT (highlight changes)

ARRIVA FIGUERA REPUBLIT TO REUL						U-01194-A-ST	State
1A. TYPE OF WO	RK: DR	RILL REENTER	DEEPEN			7. IF INDIAN, ALLOTTEE OR	TRIBE NAME:
B. TYPE OF WEI	LL: OIL	E	8. UNIT OF CA AGREEMENT NATURAL BUTTE	ES UNIT			
2. NAME OF OPE		& Gas Company				9. WELL NAME and NUMBER NBU 440	:
3. ADDRESS OF	OPERATOR:		LIT 94	PHONE NUMBER: (435) 781-7023		10. FIELD AND POOL, OR W	LDCAT:
P.O. Box 1'	WELL (FOOTAGES	CITY Vernal ST	ATE UT ZIP 840 2012 γ 30	4 00 = 0		Natural Buttes  11. QTR/QTR, SECTION, TO	WNSHIP, RANGE,
AT SURFACE:	1727' FNL 8	& 515' FWL 4428	225× -10	7.99505		MERIDIAN: SWNW 34 9S	21E
AT PROPOSED	PRODUCINGZON	E:	~~~ -10°	9,54486			
14. DISTANCE IN	MILES AND DIREC	CTION FROM NEAREST TOWN OR F	POST OFFICE:			12. COUNTY:	13. STATE: UTAH
		of Ouray, UT				Uintah	
	NEAREST PROPE	ERTY OR LEASE LINE (FEET)	16. NUMBER OF	F ACRES IN LEASE: 652.39	17. NU	JMBER OF ACRES ASSIGNED	TO THIS WELL:
515 18. DISTANCE TO	NEAREST WELL	(DRILLING, COMPLETED, OR	19. PROPOSED		20. BC	OND DESCRIPTION:	40
APPLIED FOR Refer to To	R) ON THIS LEASE (	(FEET)		8,200	40	0JU0705	
21. ELEVATIONS		R DF, RT, GR, ETC.):	22. APPROXIMA	ATE DATE WORK WILL START:	1	STIMATED DURATION:	
4958' GL					10	Days	
24.		PROPO	SED CASING A	ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, G	GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QU	JANTITY,	YIELD, AND SLURRY WEIGHT	
11-12 1/4	8 5/8 or	9 5/8	250	Refer to 10 pt program			
7 7/8	4 1/2 or	5 1/2	8,200	Refer to 10 pt program			
	!			OOM	11	MATH	
			<u>-</u>		<u>'                                     </u>	IF NIIL	
w				90111		<u>/                                    </u>	l La
25.			ATTA	CHMENTS			
VERIFY THE FO	LLOWING AREATT	ACHED IN ACCORDANCEWITH TH	E UTAH OIL AND GAS C	ONSERVATION GENERAL RULES:			
<b>✓</b> WELL PL	AT OR MAP PREPA	ARED BY LICENSED SURVEYOR OF	R ENGINEER	COMPLETE DRILLING PLAN		Michae bostadi	THE RESIDENCE PARTY.
EVIDEN	CE OF DIVISION OF	WATER RIGHTS APPROVAL FOR	USE OF WATER	FORM 5, IF OPERATOR IS PE	ERSON C	OR COM ANY THE THAT	
						kiOV a	2 2000
	<b>.</b>			Onesetiana		NUV 2	2 2002
NAME (PLEASE PRINT) Cheryl Cameron TITLE Operations						DIVISIO	
SIGNATURE	hey	1 Cameron	J	DATE 11/18/2002		OIL, GAS A	1D MINING
(This space for Sta	ate use only)	V					
					Appr	oved by the	## 1
API NI IMREP AS	SSIGNED: H	3-047-34785		###   ####   ####   ####   #####   ####   ####   ######	Utar	Division of	
A THOMBEN AS		, , , , , , , , , , , , , , , , , , , ,		<b>. O</b>	-	as and Mining	
(11/2001)			(See Instructi	ions on Reverse Side)	<u>Ol</u>	-29-03	<del>\                                    </del>



## **DRILLING PROGRAM FOR APD**

COMPANY NAME El Paso Production Company January 16, 2003 **NBU 440** WELL NAME TD 8,200' MD/TVD ELEVATION 4,958' FIELD Natural Buttes **COUNTY Uintah** STATE Utah KΒ BHL Straight Hole SURFACE LOCATION 1727' FNL, 515' FWL, SWNW, SEC. 34, T9S, R21E OBJECTIVE ZONE(S) Wasatch, Mesa Verde ADDITIONAL INFO Regulatory Agencies: UDOGM, Tri-County Health Dept.





#### **CASING PROGRAM**

						DESIGN FACTORS		
	SIZE	INTERVAL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-20'						
						2270	1370	254000
SURFACE	9-5/8"	0-250'	32.30	H-40	STC	16.19	11.71	4.37
						5350	4960	162000
PRODUCTION	4-1/2"	0-TD	11.60	J-55	LTC	1.85	1.29	1.12

- 1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe Gas Gradient (0.115 psi/ft))(TVD)
- 2) MASP (Int Casing) = Pore Pressure at Next Casing Point (Gas Gradient x TVD of Next Casing Point x 0.67) (Mud Weight x TVD x 0.052 x 0.33)
- 3) MASP (Prod Casing) = Pore Pressure (Gas Gradient x TVD of Production Interval)

(Burst Assumptions: FG @ 9-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing, 50000 lbs overpull)

#### CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE		250	Class G + 2% CaCl2	140	35%	15.80	1.16
			+ 0.25 pps celloflake				
PRODUCTION	LEAD	4,250'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	450	60%	11.00	3.38
	TAIL	3,950'	50/50 Poz/G + 10% salt + 2% gel	1110	60%	14.30	1.31

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring
	centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow
PRODUCTION	spring centralizers.
	Spring contrained is
ADDITIONAL I	<u>FORMATION</u>
	casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
******	E: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder &
tour	sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper
& lo	rer kelly valves.
Dro	Totco surveys on bit trips. Maximum allowable hole angle is 5 degrees.
Prepared by: C	
DRILLING EN	
	Dan Lindsey

## NBU 440 SWNW Sec. 34, T9S, R21E Uintah County, UT U-01194-A-ST

## EL PASO PRODUCTION COMPANY

## **DRILLING PROGRAM**

## 1. Estimated Tops of Important Geologic Markers:

<u>Depth</u>
4980'
4750'
7400'
8200'

## 2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Substance	<u>Formation</u>	<u>Depth</u>
	Wasatch	4750'
Gas	Mesaverde	7400'
Water	N/A	
Other Minerals	N/A	

## 3. Pressure Control Equipment (Schematic Attached)

The BOP stack will consist of one 11" 3,000 psi annular BOP, one 11" 3,000 psi double ram, and one 11' drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.

The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.

The hydrill will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 3,000 psi.

# 4. Proposed Casing Program: See Sonder dated 1/16/03

<u>Purpose</u>	<u>Depth</u>	Hole Size	Casing Size	Wt/ft	<u>Grade</u>	Type
Surface	0-250'	11" or 12 ¼"	8 5/8" or 9 5/8"	24#, 32.3#, 36#, or 40#		ST&C
Production	0-TD	7 7/8"	4 ½" or 5 ½"	11.6#	N-80	LT&C

The proposed casing and cementing program shall be conducted as approved to to protect and/or isolate all usable water zones potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation that will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics.

All casing, except conductor casing, shall be new or reconditioned and tested. Used casing shall meet or exceed API standards for new casing.

The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing. If drive pipe is used, it may be left in place if its total length is less than twenty feet below the surface. If the total length of the drive pipe is equal to or greater than twenty feet, it will be pulled prior to cementing surface casing, or it will be cemented in place.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

Maximum anticipated bottom hole pressure calculated @ 8200 TD approximately equals 3280 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1476 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot.

All casing strings below the conductor shall be pressure tested to 0.22 psi/foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

Casing design is subject to revision based on geologic conditions encountered.

Proposed Cementing Program: See Suday duted 1/16103

Surface Fill Type & Amount

0-250' 250' A minimum of 85 sx Class "G" + 2% CaCl<sub>2</sub>, 15.6 ppg, 1.19

cf/sx (Cement will be circulated to surface, about 25%

excess)

<u>Production</u> <u>Type & Amount</u>

200' above the top-most resource Lead: Extended, Lite, or Hi-Fill cement + additives,

interval 11 or 12 ppg, 2.69 cf/sx

TD-500' above productive internal Tail: Extended Class "G" or 50:50 Poz + additives, 14

ppg, or RFC, 14.0 - 14.5 ppg, 1.57 cf/sx.

For production casing, actual cement volumes will be determined from the calculated hole volume + 60% excess, minimum. Cement volumes will include an amount sufficient to circulate to surface, if possible. Operator will continue to attempt to circulate cement to surface, but at a minimum, circulation will be 200' above the top of the Green River Formation, or as directed by the Authorized Officer (AO) or Acting, or as specified in the Conditions of Approval (COA) in the Application for Permit to Drill (APD).

For surface casing, waiting on cement time will be adequate to achieve 500 psi compressive strength at the casing shoe prior to drilling out.

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The Division of Oil, Gas, and Mining (DOGM) Office shall be notified, with sufficient lead time, in order to have a DOGM representative on location while running all casing strings and cementing.

After cementing the surface pipe and/or any intermediate strings, but before commencing any test, The casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the Driller's Log.

#### **Auxiliary Well Control Equipment to Be Used:**

Kelly Cock

A sub with a full opening (TIW) valve having threads compatible with drill string tubulars.

## 5. <u>Drilling Fluids Program:</u>

WASATCH

<u>Interval</u> <u>Type</u> <u>Mud Weight</u>

0-TD Air/Air Mist/Aerated Water/Water (as hole conditions Warrant) 8.4 ppg or less Displace Hole to 10 ppg brine mud, prior to logging.

#### **MESAVERDE**

Interval Type Mud Weight

0-TD Air/Air Mist/Aerated Water/Water (as hole conditions warrant)
Depending on hole conditions, the hole will be displaced to
either 10 ppg brine or drilling mud prior to logging. If hole
conditions warrant, a mud system will be used.

8.4 ppg or less

No chromate additives will be used in the mud system prior to approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well.

#### 6. Evaluation Program:

The Evaluation Program may change at the discretion of the well site geologist with approval by The Authorized Officer.

## **Cased Hole Logs Only**

GR/Dipole Sonic/Neutron: TD-500' above the Wasatch Formation

(to surface at times)

Drill Stem Tests: As deemed necessary

Cores: As deemed necessary

When cement has not been circulated to surface, the cement top will be determined by Either a temperature survey or cement bond log. Should a temperature survey fail to Locate the cement top, a cement bond log shall be run.

#### **Open Hole Logs**

PEX: From TD - Surface

#### 7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth.

#### 8. Variances:

Operator requests approval to perform drilling operations without an automatic igniter because drilling will be performed with an air/mist medium.

## 9. Other Information:

All loading lines will be placed inside the berm surrounding the tank battery.

## 10. Anticipated Starting Dates & Notification of Operations:

Anticipated commencement date shall be upon approval of the proposed APD.

Drilling Days:

Approximately 10 days

Completion Days:

Approximately 7 days

## NBU 440 SWNW Sec. 34, T9S, R21E Uintah County, UT U-01194-A-ST

#### **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

#### 1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to the attached directions to the proposed location site.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

## 2. Planned Access Roads:

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, *unless modified at the on-site inspection*. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

## 3. <u>Location of Existing Wells Within a 1-Mile Radius</u>

Please refer to Topo Map C.

#### 4. Location of Existing & Proposed Facilities

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon (2.5Y 6/2).

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo Map D for the proposed pipeline placement.

## 5. <u>Location and Type of Water Supply:</u>

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

## 6. Source of Construction Materials

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

## 7. Methods of Handling Waste Materials

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. The need for a reserve pit liner will be determined at the on-site inspection.

Page

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S,R19E.

#### 8. Ancillary Facilities:

None are anticipated.

#### 9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). This section is subject to modification as a result of the on-site inspection.

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

If it is determined that a pit liner will be used at the on-site inspection, the reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile (s), and surface material stockpile(s).

#### 10. Plans for Reclamation of the Surface:

#### Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

#### Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of

irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

#### 11. Surface Ownership:

State of Utah SITLA 675 East 500 South Salt Lake City, UT 84102-2818

## 12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been conducted. A copy of this report is attached.

This proposed location is not within 460 feet from the boundary of the Natural Buttes Unit, nor is it within 460 feet of any non-committed tract lying within the boundaries of the Unit.

### 13. Lessee's or Operators's Representative & Certification:

Cheryl Cameron Regulatory Analyst El Paso Production Company P.O. Box 1148 Vernal, UT 84078 (435) 781-7023 Scott Palmer
Drilling Manager
El Paso Production Company
9 Greenway Plaza
Houston, TX 77046
(832) 676-3391

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

El Paso Production Company is considered to be the operator of the subject well. El Paso Production Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by El Paso Production Company, State Bond No. 400JU0705.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Cheryl Cameron

11/18/02 Date

# **ORIGINAL**

CULTURAL RESOURCE INVENTORY OF EL PASO PRODUCTION'S WELL LOCATIONS NBU #428, NBU #440 and CIGE #285 UINTAH COUNTY, UTAH

Keith R. Montgomery



NOV 2 2 2002

DIVISION OF OIL GAS AND MINING

## CULTURAL RESOURCE INVENTORY OF EL PASO PRODUCTION'S WELL LOCATIONS NBU #428, NBU #440 and CIGE #285

Keith R. Montgomery

Prepared For:

Bureau of Land Management (Vernal Field Office)

Prepared Under Contract With:

El Paso Production Oil and Gas Company 1368 South 1200 East Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants P.O. Box 147 Moab, Utah 84532

MOAC Report No. 02-39

March 15, 2002

United States Department of Interior (FLPMA)
Permit No. 01-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-02-MQ-0108b

#### INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in March 2002 for El Paso Production Oil and Gas Company proposed well locations NBU #428, NBU #440 and CIGE #285. The proposed well locations with access and pipeline corridors are situated in the Natural Buttes area, southeast of Ouray, Utah (Figures 1 and 2). The survey was implemented at the request of Mr. Carroll Estes, El Paso Production Oil and Gas Company, Vernal, Utah. The project is situated on land administered by the Bureau of Land Management (BLM), Vernal Field Office

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed on March 13, 2002 by Keith R. Montgomery, (Principal Investigator). The project was initiated under the auspices of U.S.D.I. (FLPMA) Permit No. 01-UT-60122 and State of Utah Antiquities Permit (Survey) No. U-02-MQ-0108b issued to MOAC.

A file search was performed by Keith Montgomery at the BLM Vernal Field Office on March 5, 2002. This consultation indicated that several archaeological inventories have been completed in or near the project area. 1981, Brigham Young University completed the Magic Circle Cottonwood Wash inventory (Thompson 1981). None of the sites documented in this study occur within the current project area. In 1991, Metcalf Archaeological Consultants (MAC) inventoried eighteen Natural Butte well locations for of the cultural resources inventoried occur near or within the current project areas. Metcalf Archaeological Consultants surveyed a number of well locations for Coastal Oil & Gas Corporation in 1997 (Spath 1997). In 2001, Montgomery Archaeological Consultants inventoried a total of 32 El Paso Production's well locations in the Natural Buttes area prior to this study (Montgomery 2001a, 2001b, 2001c and 2001d; Montgomery and Ball 2001). No archaeological sites have been documented in the immediate project area in any of these previous inventories.

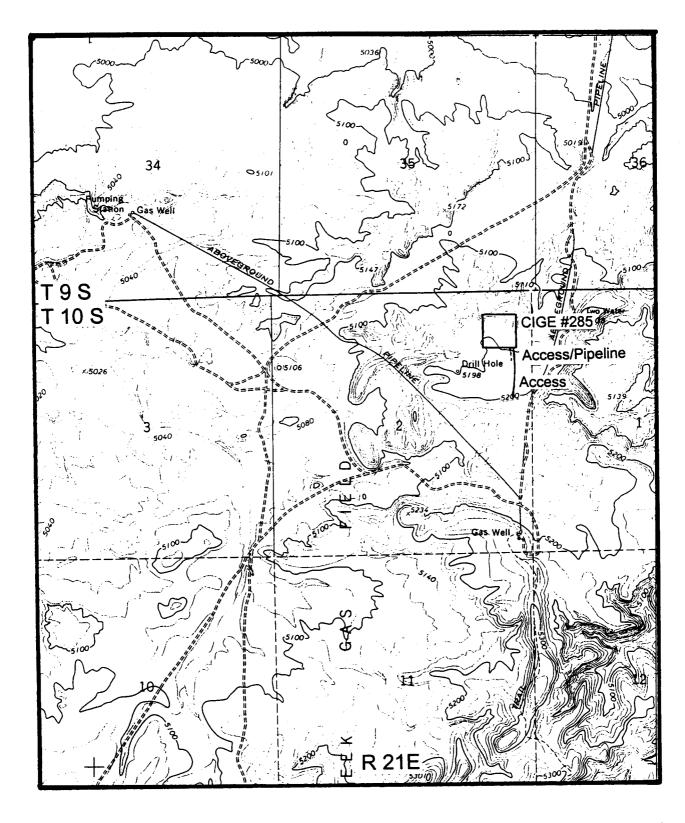


Figure 1. Inventory Area of El Paso Production Oil and Gas Company's CIGE #285 Well Location. USGS 7.5' Big Pack Mtn. NE, Utah 1987. Scale 1:24000.

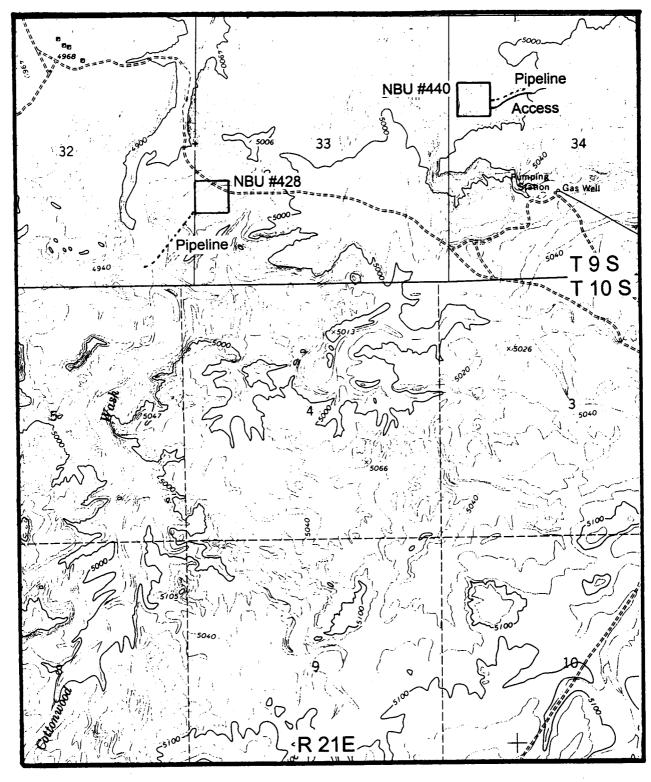


Figure 2. Inventory Area of El Paso Production Oil and Gas Company's NBU #428 and NBU #440 Well Locations. USGS 7.5' Big Pack Mtn. NE, Utah 1987. Scale 1:24000.

## **DESCRIPTION OF PROJECT AREA**

The three proposed EI Paso Production well locations, access and pipeline corridors are situated in the Natural Buttes Field, southeast of Ouray, Utah (Table 1). The legal description is T 9S, R 21E, Sections 32, 33 and 34 and T 10S, R 21E, Section 2 (USGS 7.5' Big Pack Mtn. NE Quadrangle).

Table 1. El Paso Production's Natural Butte Seven Well Locations

Well Location Designation	Legal Location	Location at Surface	Access/Pipeline	Cultural Resources
NBU #428	T 9S, R 21E, Sec. 32 and 33	1855' FSL 348' FWL	Pipeline 1600'	None
NBU #440	T 9S, R 21E, Sec. 34	1727' FNL 515' FWL	Access/Pipeline1000'	None
NBU #396	T 9S, R 21E, Sec. 33 NW/NE	482' FNL 1765' FWL	Access/Pipeline 700'	None

## **Environment**

The study area lies within the Uinta Basin physiographic unit, a distinctly bowlshaped geologic structure (Stokes 1986:231). The Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. The geology is comprised of Tertiary age deposits which include Paleocene age deposits, and Eocene age fluvial and lacustrine sedimentary rocks. The Uinta Formation, which is predominate in the project area, occurs as eroded outcrops formed by fluvial deposited, stream laid interbedded sandstone and mudstone, and is known for its prolific paleontological localities. Specifically, the project area occurs on the east side of Cottonwood Wash on the valley floor which is interspersed by flat topped buttes and narrow steep-sided ridges. The area is heavily dissected and carved by ephemeral drainages. The surface geology consists of hard pan residual soil armored with shale and sandstone pebbles as well as some sand shadows. The elevation averages 5200 feet a.s.l. The project occurs within the Upper Sonoran Desert Shrub Association which includes shadscale, greasewood, mat saltbrush, snakeweed, rabbitbrush, prickly pear cactus, Indian ricegrass and non-native grasses. Modern disturbances include roads, and oil/gas development.

#### SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At each of the proposed well locations, a ten acre area centered on the center stake of the location was surveyed by the archaeologists walking parallel transects spaced no more than 30 feet apart. The access and pipeline corridors were 100 feet wide, surveyed by walking parallel transects along the staked centerline, spaced no more than 10 m (30 ft) apart. A wider corridor (150 foot) was inspected when access/pipeline routes shared a corridor. Ground visibility was considered to be good. A total of 40 acres was inventoried on BLM (Vernal Field Office) administered land.

## RESULTS AND RECOMMENDATIONS

The inventory of the three proposed El Paso Production Oil and Gas Company well locations resulted in the location of no archaeological resources. Based on the findings, a determination of "no historic properties affected" is recommended for this undertaking pursuant to Section 106, CFR 800.

#### REFERENCES CITED

Montgomery, K.R.

- Cultural Resource Inventory of El Paso Production's NBU #407 and NBU #408 well locations, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-01-MQ-0455b,s. On file at the Utah Division of State History.
- 2001b Cultural Resource Inventory of El Paso Production's Natural Buttes 10 Well Locations, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-01-MQ-0532b. On file at the BLM Vernal Field Office.
- 2001c Cultural Resource Inventory of El Paso Production's Natural Buttes 11 Well Locations, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-01-MQ-0738b. On file at the BLM Vernal Field Office.
- 2001d Cultural Resource Inventory of El Paso Production's Natural Buttes 8 Well Locations, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-01-MQ-0723b. On file at the BLM Vernal Field Office.

Montgomery, K.R. and Ball, S.

2001 Cultural Resource Inventory of El Paso Production Oil and Gas Company's NBU #385 Well Location, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-01-MQ-0507s. On file at the Utah Division of State History.

Thompson, C.

- 1981 Cultural Resource Inventory of the Magic Circle Cottonwood Wash Project, Uintah County, Utah. Brigham Young University, Cultural Resource Service Management, Provo, UT. Project No. U-81-BC-686. On file at the Utah Division of State History.
- O'Brian, P.K., P.M. Lubinski, and J.M. Scott
- 1991 Cultural Resources Inventory for 18 proposed Coastal Oil & Gas Well and Access Locations on State of Utah Lands, Uintah County, Utah. Metcalf Archaeological Consultants, Eagle, CO. Project No. U-91-MM-044s. On file at the Utah State Division of History.

Spath, C.

1997 Coastal Oil and Gas Corporation's Proposed CIGE #s 203, 210, 212, 220 and NBU #272 Well Pads, Pipelines and Access, Section 34, T9S, R21E, Sections 31 and 34, T9S, R22E, Section 16, T10S, R21E, and Section 11, T10S, R22E, Uintah County, Utah. Metcalf Archaeological Consultants, Eagle, CO. Project No. U-97-MM-0120s. On file at the BLM Vernal Field Office.

Stokes, W.L.

1986 Geology of Utah. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

## CULTURAL RESOURCE INVENTORY OF EL PASO PRODUCTION'S WELL LOCATIONS NBU #428, NBU #440 and CIGE #285 UINTAH COUNTY, UTAH

Keith R. Montgomery

# EL PASO PRODUCTION OIL & GAS COMPANY

# NBU #440 SECTION 34, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88: TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST: TURN RIGHT AND PROCEED IN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL TO THE PROPOSED LOCATION IS APPROXIMATELY 46.4 MILES.

# EL PASO PRODUCTION OIL & GAS COMPANY

NBU #440 LOCATED IN UINTAH COUNTY, UTAH **SECTION 34, T9S, R21E, S.L.B.&M.** 

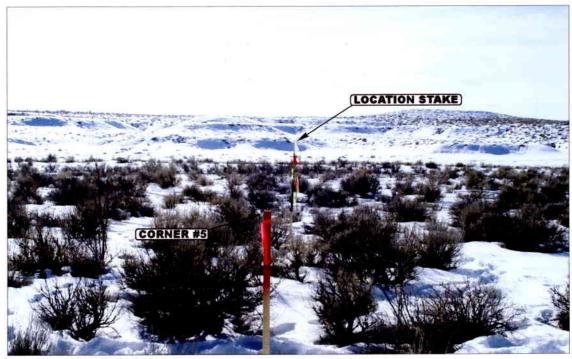


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: SOUTHWESTERLY** 

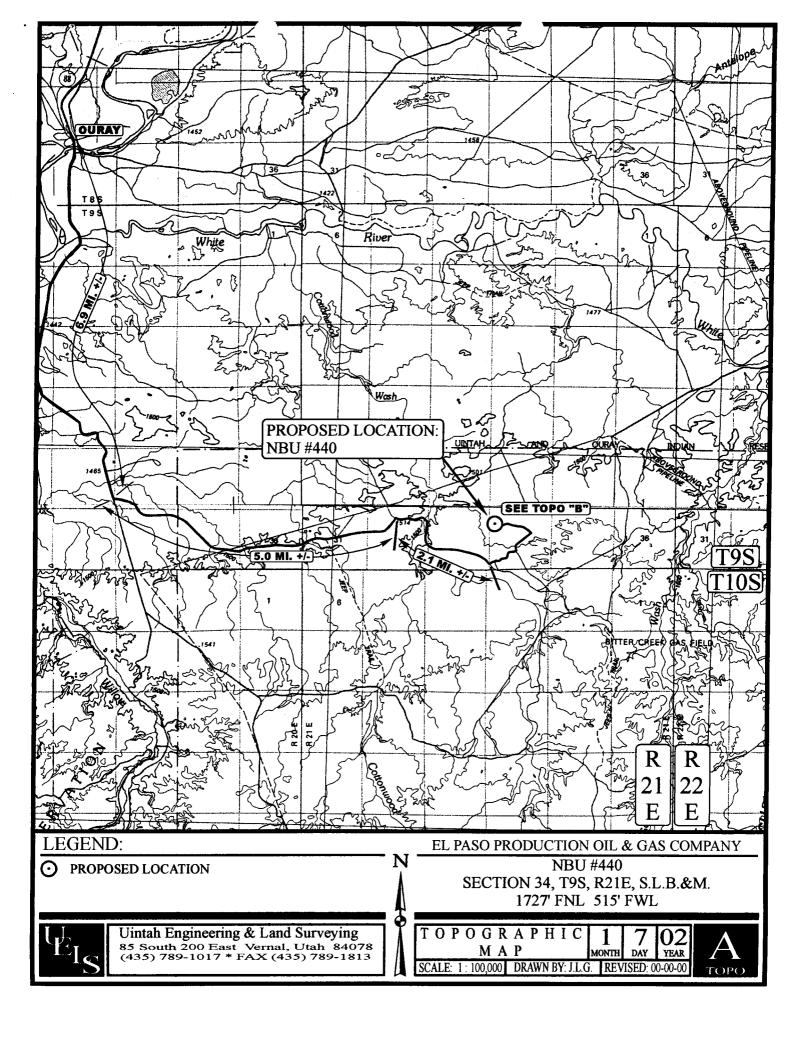


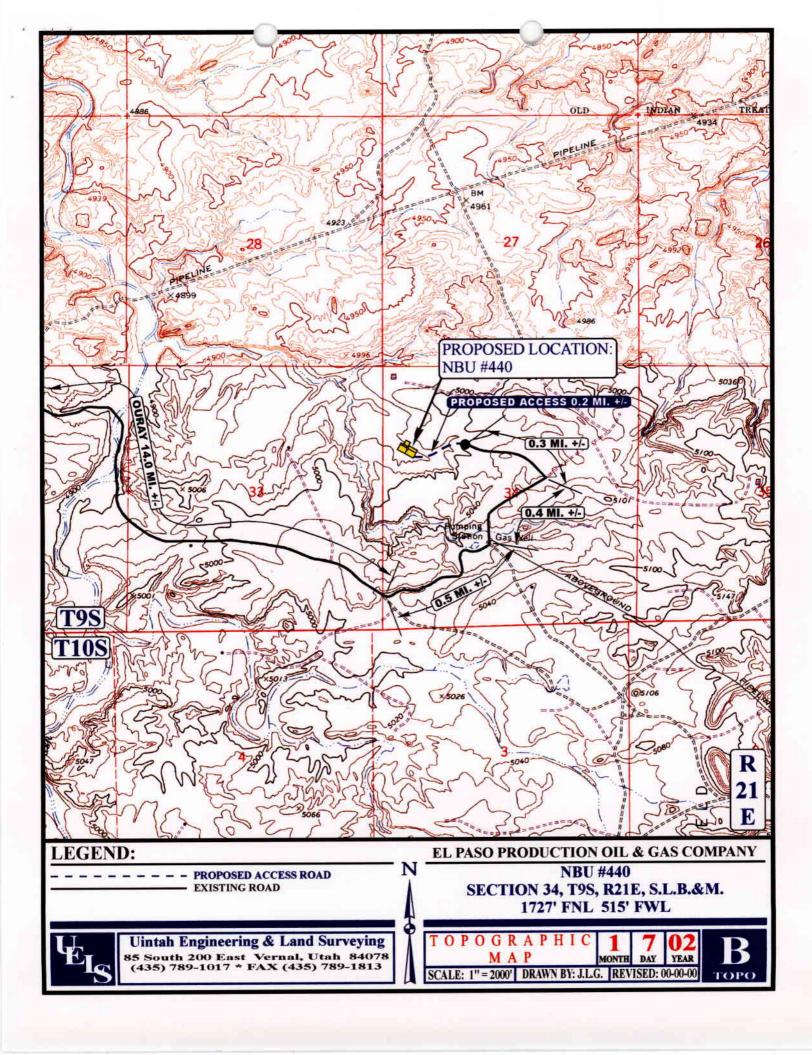
PHOTO: VIEW FROM BEGINNING OF PROPOSED ROAD

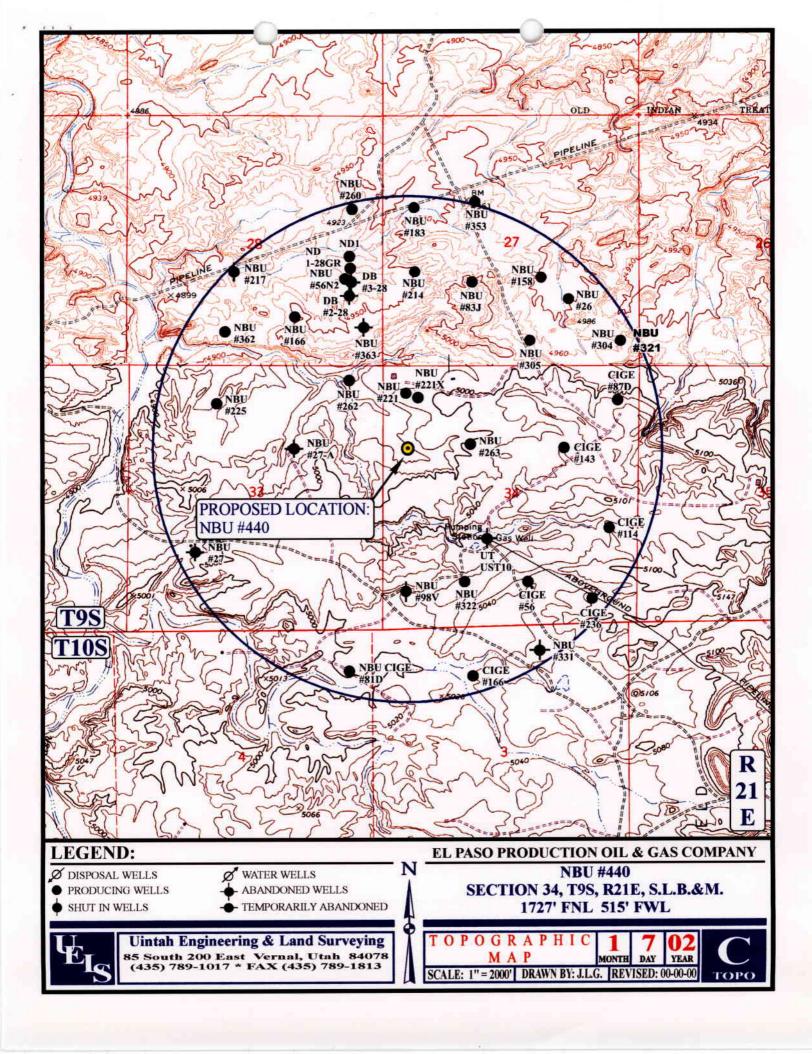
**CAMERA ANGLE: WESTERLY** 

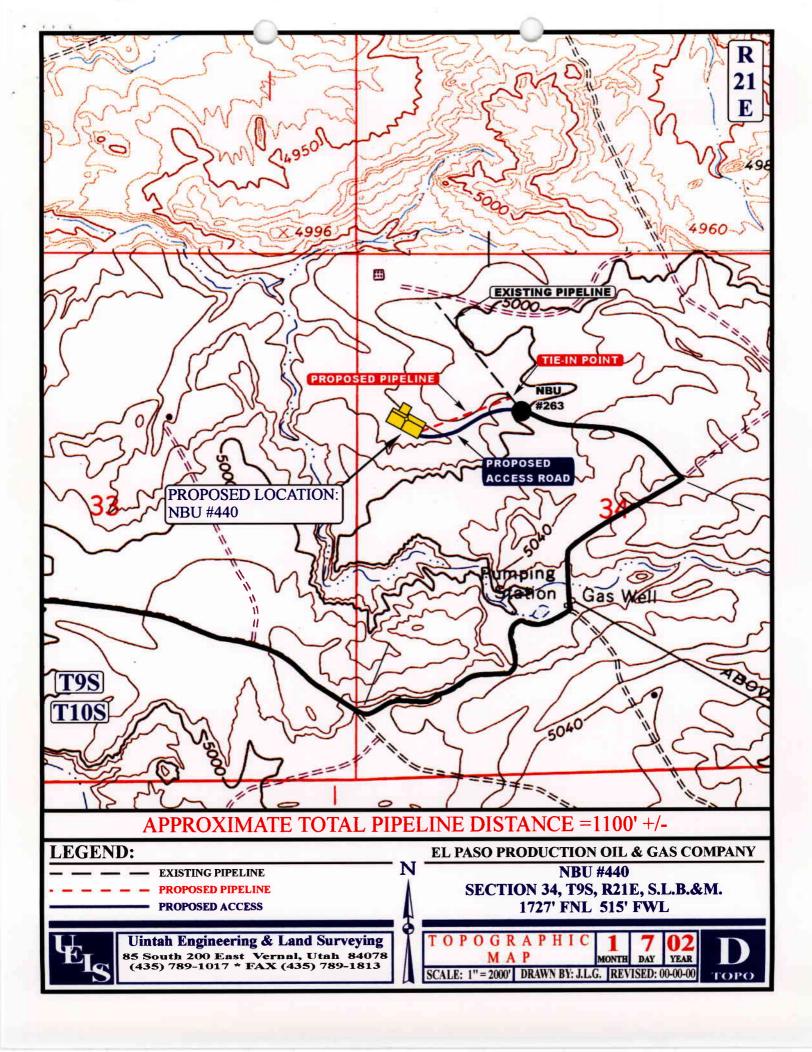


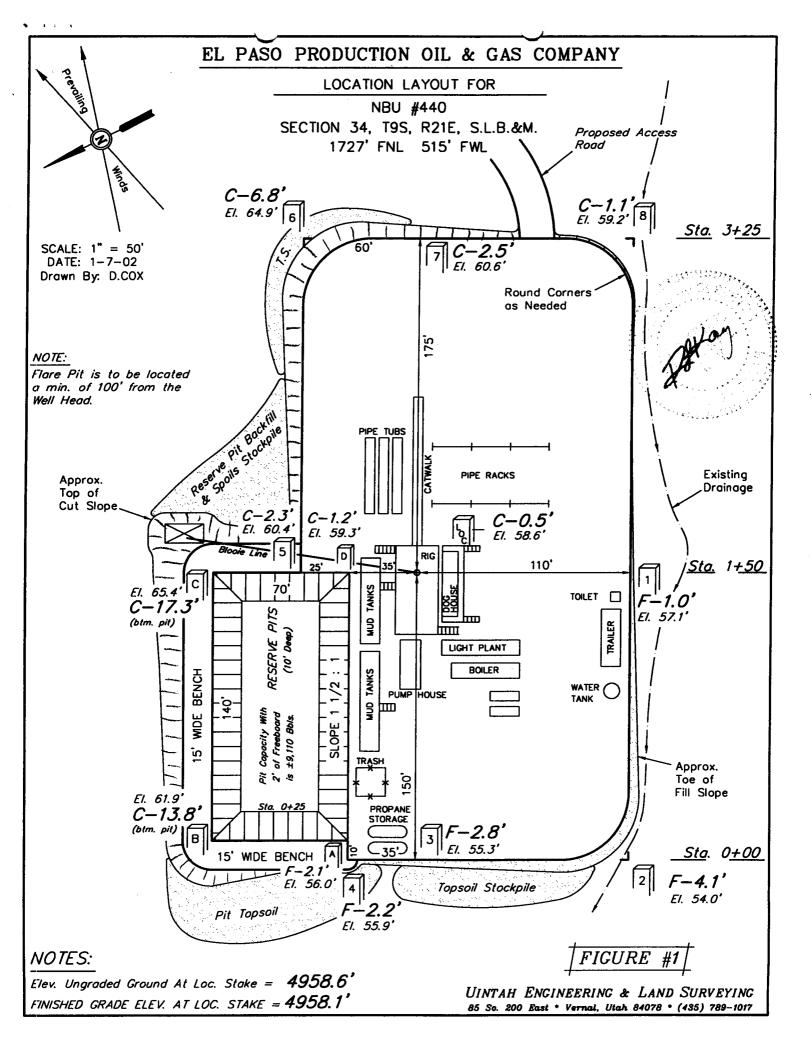
LOCATION					РНОТО
TAKEN BY: G.S.	DRAWN BY: J.L.	G. REV	/ISED: (	00-00-00	

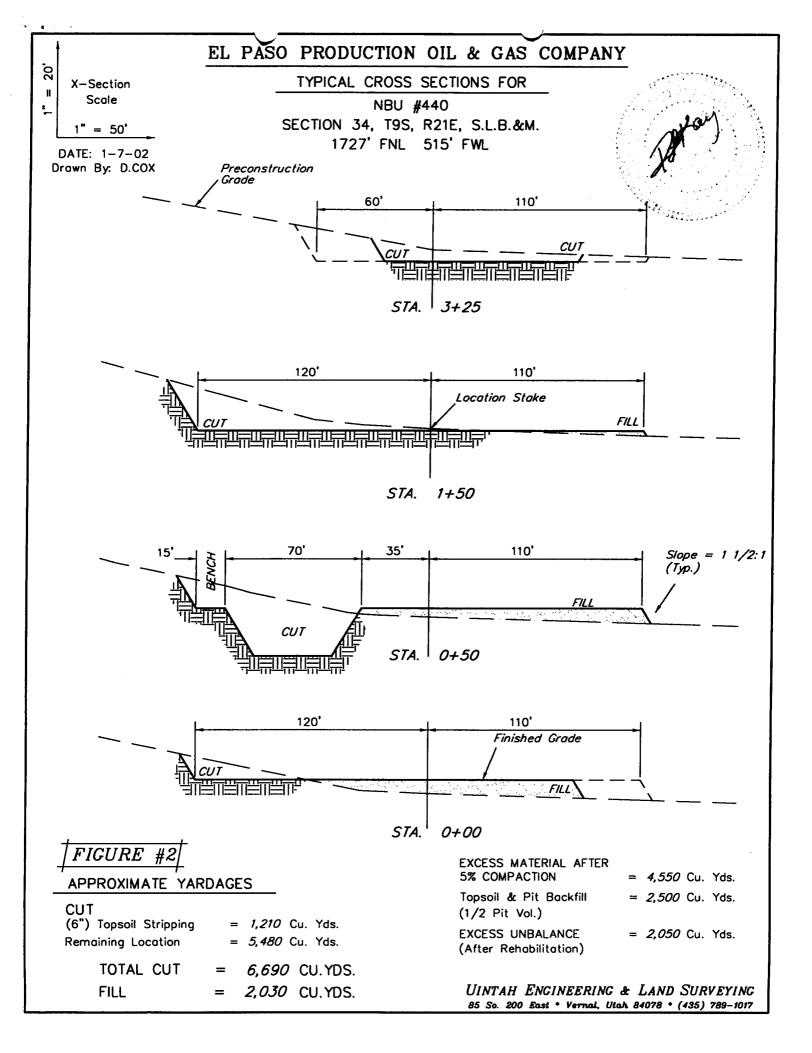




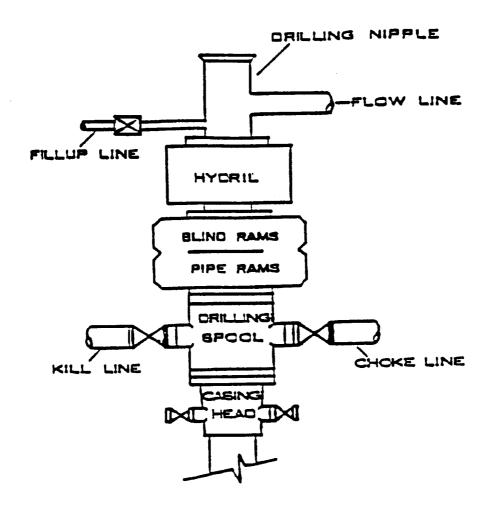


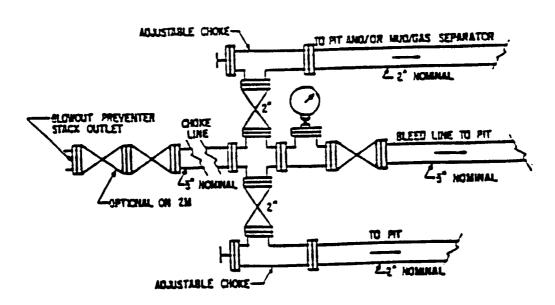






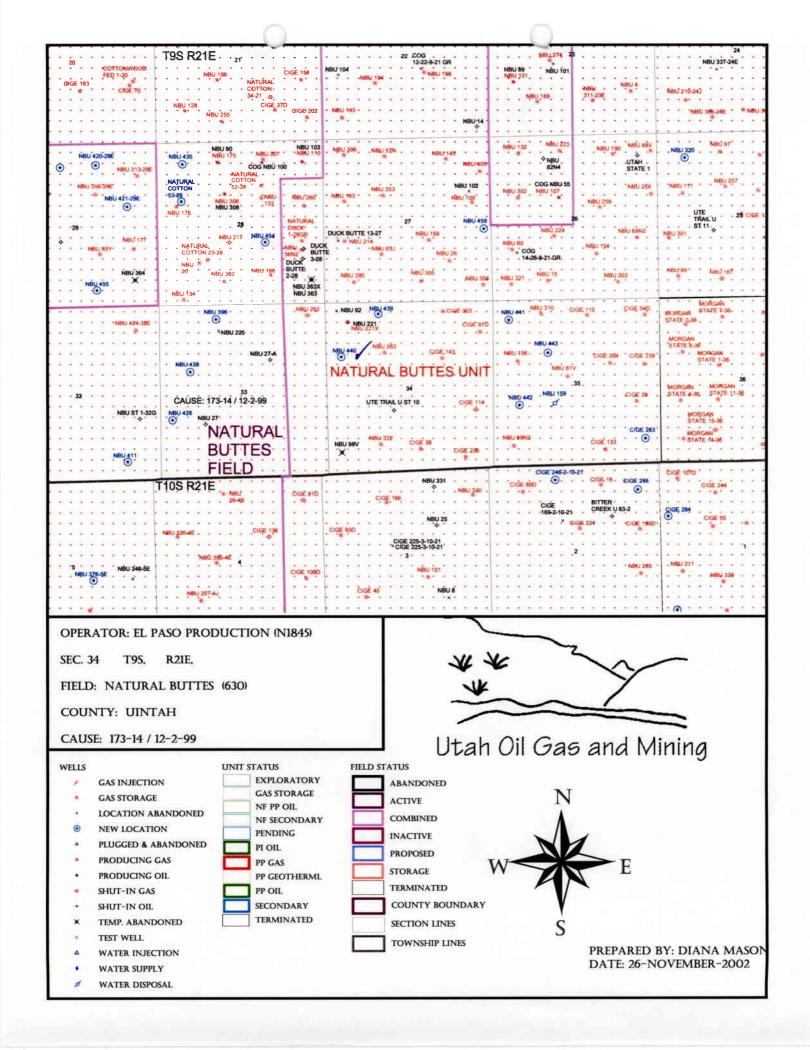
## EOP STACK





# WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/22/2002	API NO. ASSIGNED: 43-047-34785				
WELL NAME: NBU 440  OPERATOR: EL PASO PROD OIL & GAS ( N1845 )  CONTACT: CHERYL CAMERON	PHONE NUMBER: $\frac{4}{}$	35-781-7023			
PROPOSED LOCATION:	INSPECT LOCATN	I BY: /	/		
SWNW 34 090S 210E SURFACE: 1727 FNL 0515 FWL	Tech Review	Initials	Date		
BOTTOM: 1727 FNL 0515 FWL UINTAH	Engineering	DKO	1/28/03		
NATURAL BUTTES ( 630 )	Geology				
LEASE TYPE: 3 - State	Surface				
LEASE NUMBER: U-01194-A-ST SURFACE OWNER: 3 - State PROPOSED FORMATION: MVRD	LATITUDE: 39.99505  LONGITUDE: 109.54486				
Plat Bond: Fed[] Ind[] Sta[3] Fee[] (No. 400JU0705 )  N Potash (Y/N)  Y Oil Shale 190-5 (B) or 190-3 or 190-13  Water Permit (No. 43-8496 )  N RDCC Review (Y/N) (Date: )  NF Fee Surf Agreement (Y/N)	Drilling Un.  Board Cause Eff Date: Siting:	TES  General From Qtr/Qtr & 920' Exception	Macomma. Trace		
STATEMENT OF	02) Basis				



# ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: EL PASO PRODUCTION OIL & GAS COMPANY.

WELL NAME & NUMBER: NBU 440

API NUMBER: 43-047-34785

LEASE: U-01194-A-ST FIELD/UNIT: NATURAL BUTTES

LOCATION: 1/4,1/4 SW-NW Sec: 34 TWP: 9S RNG: 21E 515' FWL 1727' FNL

LEGAL WELL SITING: F SEC. LINE; F 1/4,1/4 LINE; F ANOTHER WELL.

GPS COORD (UTM): 4428012N 12624255N SURFACE OWNER: STATE OF UTAH

#### **PARTICIPANTS**

<u>DAVID W. HACKFORD (DOGM), MILES HANBERG, (DWR), CARROLL ESTES, CARROLL WILSON, (EL PASO). ROBERT KAY, (UELS).</u>

## REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS IN A RELATIVELY FLAT AREA WITH EXTENDING 1200' TO THE EAST, NORTH AND WEST. THERE IS A SHALLOW DRAW HEADING 150' SOUTH OF SITE.

THIS DRAW DRAINS TO THE EAST. DRAINAGE IS TO THE EAST. THERE IS LARGE SANDSTONE OUTCROPPING 100' NORTH OF PROPOSED WELLBORE. SITE IS FIVE MILES SOUTH OF THE WHITE RIVER AND 15.4 MILES SOUTHEAST OF OURAY, UTAH.

#### SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 230'. ACCESS ROAD WILL BE 0.2 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACALITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: <u>ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.</u>

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

### WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

#### ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SALTBRUSH, SHADSCALE, PRICKLEY PEAR, CHEATGRASS, SAGE, GRASSES: PRONGHORN, COYOTES, SONGBIRDS, RAPTORS, RODENTS, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: <u>VERY LITTLE NATURAL EROSION</u>.

<u>SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION</u>

<u>SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.</u>

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

#### RESERVE PIT

CHARACTERISTICS: 140' BY 70' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE REQUIRED FOR RESERVE PIT.

## SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: <u>SITE WAS INSPECTED BY MONTGOMERY ARCHAEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.</u>

#### OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A COLD, FROSTY DAY WITH TWO INCHES OF SNOW COVER,

#### **ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD DOGM REPRESENTATIVE

12/11/02. 10:30 AM DATE/TIME

#### Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10 15	
25 to 75 <25 or recharge area	20	5
125 of fechalge area	20	<del></del>
Distance to Surf. Water (feet)	•	
>1000	0 2	
300 to 1000 200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal		
Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10 20	0
<500	20	
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	0
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	20
High permeability	20	
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid	10 15	
containing significant levels of	13	
hazardous constituents	20	5
Drill Cuttings	0	
Normal Rock Salt or detrimental	10	0
bare of accrimental		
Annual Precipitation (inches)	•	
<10	0 5	
10 to 20 >20	10	0
720	20	
Affected Populations	•	
<10	0	
10 to 30 30 to 50	6 8	
>50 to 50	10	0
Presence of Nearby Utility		
Conduits Not Present	0	
Unknown	10	
Present	15	0

Final Score 30 (Level III Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.







## DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	EL PASO PRODUCTION & GAS COMPANY
WELL NAME & NUMBER:	NBU 440
API NUMBER:	43-047-34785
<b>LOCATION:</b> 1/4,1/4 <u>SW/NW</u> S	Sec: <u>34</u> TWP: <u>9S</u> RNG: <u>21E</u> <u>515'</u> FWL <u>1727'</u> FNL
Geology/Ground Water:	
El Paso proposes to set 250' of su	urface casing at this location. The depth to the base of the moderately saline
	to be at a depth of 4,000'. A search of Division of Water Rights records
shows four water wells within a 1	10,000 foot radius of the center of section 34. These wells are approximately
.5 to 1.5 miles from the proposed	location and are listed as a mining use well or "other use". Depth of the well
	surface formation at this site is the Uinta Formation. The Uinta Formation is
	nd sandstones. The sandstones are mostly lenticular and discontinuous and
	e of useable ground water. Production casing cement should be brought to
above the base of the moderately	saline groundwater in order to isolate it from fresher waters uphole.
Reviewer: Bra	ad Hill
Surface:	
The predrill investigation of the s	surface was performed on 12/11/02. Floyd Bartlett and Miles Hanberg with DW
and Ed Bonner with SITLA were	invited to this investigation on 12/2/02. Mr. Hanberg was present. SITLA did no
have a representative present. Mi	r. Hanberg did not have any concerns regarding the construction of this location of
the drilling of the well. This site	e is on State surface. This site appears to be the best site for a location in the
	ous sandstone outcroppings present and blasting will almost certainly be necessar
to construct location.	
Reviewer: <u>David</u>	d W. Hackford Date: 12/13//02

### **Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

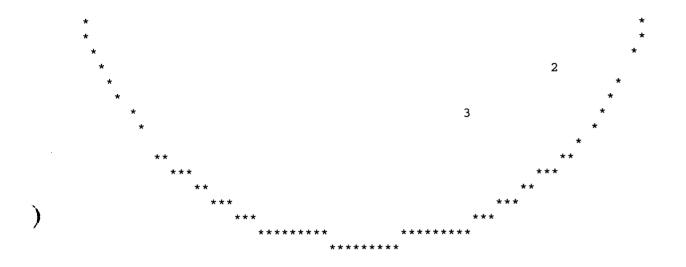
Points of Diversion Page 1 of 3

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED MON, DEC 16, 2002, 11:57 AM
PLOT SHOWS LOCATION OF 4 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT FEET, FEET OF THE CT CORNER, SECTION 34 TOWNSHIP 9S RANGE 21E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET

NORTH



UTAH DIVISION OF WATER RIGHTS

NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAI		ATER IGHT	~	UANTITY AND/OR		SOURCE DES	SCRIPTION 01 DEPTH	WELL INF	O NOF		NT C			ON DI SEC	ESCRIP'	rion RNG	В&
0	49	355	1.0000 USE(S): Corporat		.00 OTHER	7	1667 10100 Santa	a Monica B	N lvd.		E	689			9S DATE: ngeles	21E 07/10	
1	49	354	.6000 USE(S): Corporat		.00 OTHER	7	1604 10100 Santa	a Monica B	N lvd.	643	E	592	PRIO		9S DATE: ngeles	21E 07/10	_
2	49	3	.0256 USE(S): o Agricul		.00 ssociation	5 n Incorpor	2640 Box 523		S	1650	W	1564		2 RITY erna:	10S DATE: l	21E 06/17	_

 3 49 356
 1.2500
 .00
 7 1525 - 1570
 S 3200 E 850 NW 2 10S 21E S

 WATER USE(S): MINING OTHER
 PRIORITY DATE: 07/10/1

 Tosco Corporation
 10100 Santa Monica Blvd.
 Los Angeles

For	m 9 STATE OF UTAH DEPARTMENT OF NATURAL RESOU	POES	
2	DIVISION OF OIL, GAS AND MININ		6. Lease Designation and Serial Number U-01194-A-ST
			7. Indian Allottee or Tribe Name
	SUNDRY NOTICES AND REPORTS ON to not use this form for proposals to drill new wells, deepen existing wells, or to reenter pure and the control of the contro		Unit or Communitization Agreement
1.	Type of Well		Well Name and Number
	Oil X Gas Other (specify)		NBU 440
2.	Name of Operator		10. API Well Number
Ell	Paso Production Oil & Gas Company		
3.	Address of Operator	4. Telephone Number	11. Field and Pool, or Wildcat
P.C	D. Box 1148 Vernal, UT 84078	(435) 781-7023	Natural Buttes
5.	Location of Well		
	Footage : 1727' FNL & 515' FWL	County :	
$\vdash$	QQ, Sec, T., R., M : SWNW SEC. 34, T9S, R21E		UT
12.	CHECK APPROPRIATE BOXES TO INDICATE	· · · · · · · · · · · · · · · · · · ·	
	NOTICE OF INTENT (Submit in Duplicate)		BSEQUENT REPORT  pmit Original Form Only)
r-	Abandonment New Construction	Abandonment	
$\vdash$	<del>-</del>		
<u> </u>	Casing Repair Pull or Alter Casing	Casing Repair	
X	Change of Plans Recompletion	Change of Plan	
	Conversion to Injection Shoot or Acidize	Conversion to	<u> </u>
	Fracture Treat Vent or Flare	Fracture Treat	Water Shut-Off
	Multiple Completion Water Shut-Off	Other	
	Other		
_		Date of Work Completion	
App	proximate Date Work Will Start		Completions and Recompletions to different reservoirs
			OR RECOMPLETION AND LOG form. ied by a cement verification report.
13.	DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all perti		
	locations and measured and true vertical depths for all markers and zones pertine	nt to this work.)	
	ERATOR REQUESTS TO AMEND THE CEMENT & CASIN		
	E APD (APPLICATION FOR PERMIT TO DRILL), AND PL	ACE THE SUBJECT WI	ELL ON CONFIDENTIAL
51.	ATUS.		
RE	FER TO THE ATTACHED DRILLING PROGRAM.		
			-orlyED
			RECEIVED
			JAN 2 1 2003
			DIV. OF OIL, GAS & MINING
			DIV. OF Oic, S.
14.	I hereby certify that the foregoing is true and correct.		

01/16/03

Date

Operations

Name & Signature

(State Use Only)

Cheryl Cameron

#### EL PASO T9S, R21E, S.L.B.&M. PRODUCTION OIL & GAS COMPANY Uintah County Well location, NBU #440, located as shown in Alum. Cap 0.5 High, Set Marked the SW 1/4 NW 1/4 of Section 34, T9S, R21E. Stone S89'59'31"W - 2642.35' (Meas.) S89'57'25"W - 2645.66' (Meas.) Stone, Uintoh County Cap on S.L.B.&M. Uintah County, Utah. Uintoh County Alum, Cop 5/8" Rebor 1.2' High, Pile of Stones BASIS OF ELEVATION 2641.08' (Meas. TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FFFT. NBU #440 Elev. Ungraded Ground = 4959' Set Marked Stone Pile of Stones Stone, Uintah County Cap on 5/8" Rebar SCALE CERTIFICATE THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE LOT 4 LOT 3 LOT 2 LOT 1 2.00N BEST OF MY KNOWLEDGE AND BELIE N89"28'38"E 164.44' (Meas.) -REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF UTAH **T9**S N89°25'E - 40.21 (G.L.O.) 1977 N89'17'E - 40.59 (G.L.O.) 1977 UINTAH ENGINEERING & LAND SURVEYING Brass **Bross** Cap 85 SOUTH 200 EAST - VERNAL, UTAH 384078 (G.L.O.) (435) 789-1017 BASIS OF BEARINGS LEGEND: SCALE DATE SURVEYED: DATE DRAWN: 1" = 1000BASIS OF BEARINGS IS A G.P.S. OBSERVATION. 1-2-02 1-7-02 ≈ 90° SYMBOL PARTY REFERENCES G.S. K.S. D.COX LATITUDE = 39\*59'42" G.L.O. PLAT PROPOSED WELL HEAD. WEATHER LONGITUDE = $109^{\circ}32'43''$ **EL PASO PRODUCTION** = SECTION CORNERS LOCATED. COLD OIL & GAS COMPANY

Well name:

12-02 El Paso NBU 440

Operator:

**El Paso Production Company** 

8.330 ppg

String type:

Surface

Project ID:

43-047-34785

Location:

Collapse

Design parameters:

Mud weight:

**Uintah County** 

**Environment:** Minimum design factors:

Collapse:

Design factor 1.125

Surface temperature:

H2S considered? No 65 °F Bottom hole temperature: 68 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length:

200 ft

**Burst:** 

Design factor

1.00

Cement top:

Surface

**Burst** 

Max anticipated surface

0 psi pressure: 0.468 psi/ft Internal gradient:

Design is based on evacuated pipe.

Calculated BHP 117 psi

No backup mud specified.

**Tension:** 

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) 1.60 (J) **Buttress:** 

Premium: 1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 219 ft Non-directional string.

Re subsequent strings:

Next setting depth: 8,200 ft Next mud weight: 9.000 ppg Next setting BHP:

3,834 psi Fracture mud wt: 19.250 ppg Fracture depth: 250 ft 250 psi Injection pressure

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	250	9.625	32.30	H-40	ST&C	250	250	8.876	15.8
Run Seq	Collapse Load	Collapse Strength	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	<b>(psi)</b> 108	<b>(psi)</b> 1370	12.66	(psi) 117	2270	19.42	8	254	31.46 J

Prepared

**Dustin Doucet** 

Utah Dept. of Natural Resources by:

Phone: 801-538-5281 FAX: 801-359-3940

Date: January 23,2003 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 250 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

Well name:

12-02 El Paso NBU 440

Operator:

**El Paso Production Company** 

String type:

Production

Design is based on evacuated pipe.

Project ID:

43-047-34785

Location:

Collapse

**Uintah County** 

Minimum design factors:

Collapse:

Design factor

**Environment:** 

**H2S** considered? Surface temperature: No 65 °F

Bottom hole temperature: Temperature gradient:

180 °F 1.40 °F/100ft

368 ft

Minimum section length:

**Burst:** 

Design factor

1.00 Cement top: Surface

**Burst** 

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

Design parameters:

Mud weight:

0 psi 0.468 psi/fl 3.834 psi

9.000 ppg

**Tension:** 

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) 1.60 (J) **Buttress:** 

Premium: Body yield: 1.50 (J) 1.50 (B)

1.125

Tension is based on air weight.

Non-directional string.

Neutral point: 7,097 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8200	4.5	11.60	J-55	LT&C	8200	8200	3.875	190.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3834	4960	1.29	3834	5350	1.40	95	162	(1.70 J)

El Peso Assumes Max50 K lbs overpull has been standard prectue Our Lindsey 1/24/03 197 w/ bunyancy

Prepared

**Dustin Doucet** 

by: Utah Dept. of Natural Resources Phone: 801-538-5281

FAX: 801-359-3940

Date: January 23,2003 Salt Lake City, Utah

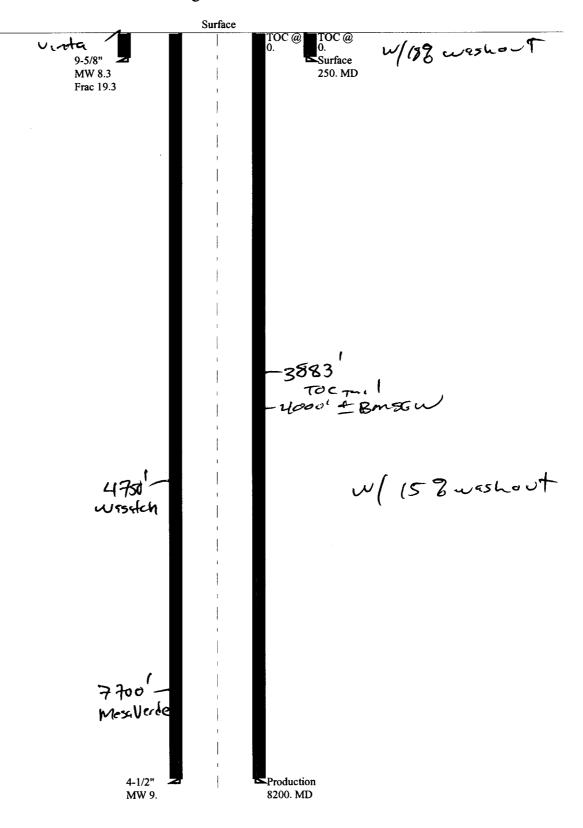
ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 8200 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

## 12-02 El Paso NBU 440

Casing Schematic





Michael O. Leavitt Governor Robert L. Morgan Executive Director Lowell P. Braxton Division Director

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5340 telephone (801) 359-3940 fax (801) 538-7223 TTY www.nr.utah.gov

January 29, 2003

El Paso Production Oil & Gas Company P O Box 1148 Vernal, UT 84078

Re:

Natural Buttes Unit 440 Well, 1727' FNL, 515' FWL, SW NW, Sec. 34, T. 9 South,

R. 21 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34785.

anicerely,

John R. Baza Associate Director

er

**Enclosures** 

cc:

**Uintah County Assessor** 

SITLA

Bureau of Land Management, Vernal Field Office



Operator:	El Paso Production Oil & Gas Company
Well Name & Number	Natural Buttes Unit 440
API Number:	43-047-34785
Lease:	U-01194-A-ST

Location: SW NW

Sec. 34

T. 9 South

R. 21 East

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
- 6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2



WESTPORT OIL AND GAS COMPANY, L.P.

410 Seventeenth Street #2300 Deriver Colorado \$0202-4436 Telephonet 303 573 5404 Fast: 303 573 5609

February 1, 2002

Department of the Interior Bureau of Land Management 2850 Youngfield Street Lakewood, CO 80215-7093 Attention: Ms. Martha Maxwell

RE:

BLM Bond CO-1203

BLM Nationwide Bond 158626364
Surety — Continental Casualty Company
Beleo Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider — Westport Oil and Gas Company, L.P.

#### Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.

Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc., Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.

List of all Federal/BIA/State Leases - Beloo/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,

Westport Oil and Gas Company, L.P.

Debby J. Black Engineer Technicisa

Engl:



# United States Department of the Interior RECEIVED

#### **BUREAU OF LAND MANAGEMENT**

FEB 2 2 2002

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

DIVISION OF OIL. GAS AND MINING

In Reply Refer To: 3106 UTU-25566 et al (UT-924)

FEB 2 1 2002

#### **NOTICE**

Westport Oil and Gas Company L.P.

Oil and Gas

410 Seventeenth Street, #2300

.

Denver Colorado 80215-7093

## Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of <u>Westport Oil</u> and <u>Gas Company, Inc.</u> into <u>Westport Oil</u> and <u>Gas Company, L.P.</u> with <u>Westport Oil</u> and <u>Gas Company, L.P.</u> being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405 UTU-20895 UTU-25566 UTU-43156 UTU-49518 UTU-49519 UTU-49522 UTU-49523

> Robert Lopez Chief, Branch of Minerals Adjudication

Moab Field Office
 Vernal Field Office
 MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
 State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
 Teresa Thompson (UT-922)
 Joe Incardine (UT-921)

UNITED STATES GOVERNMENT

# memorandu

Branch of Real Estate Services Uintah & Ouray Agency

. >

Date:

5 December, 2002

Reply to Attn of:

Supervisory Petroleum Engineer

Subject:

Modification of Utah Division of Oil, Gas and Mining Regulations

To:

Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate you concern, and hope that these comments are timely enough for consideration in the revision process. Charles H Cameron

CC:

Minerals & Mining Section of RES

Ute Energy & Mineral Resources Department: Executive Director

chrono



## United States Department of the Interior

**BUREAU OF INDIAN AFFAIRS** Washington, D.C. 20240 FEB 1 0 2003

Carroll A. Wilson Principal Landman Westport Oil and Gas Company, L.P. 1368 South 1200 East Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely.

ACTING

Director, Office of Trust Responsibilities

**Enclosure** 



## United States Department of the Interior

# BUREAU OF LAND MANAGEMENT Utah State Office

P.O. Box 45155 Salt Lake City, UT 84145-0155

IN REPLY REFER TO UT-922

February 27, 2003

Westport Oil and Gas Company, L.P. Attn: Gary D. Williamson 1670 Broadway, Suite 2800 Denver, Colorado 80202

Re:

Natural Buttes Unit Uintah County, Utah

#### Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks Chief, Branch of Fluid Minerals

#### **Enclosure**

bcc:

Field Manager - Vernal (w/enclosure)

SITLA

Division of Oil, Gas & Mining Minerals Adjudication Group

File - Natural Buttes Unit (w/enclosure)

Agr. Sec. Chron Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 2 8 2003

DIV. OF OIL, GAS & MINING

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:			
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:  Exhibit "A"			
2. NAME OF OPERATOR:	9. API NUMBER:			
El Paso Production Oil & Gas Company  3. ADDRESS OF OPERATOR:   PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:			
9 Greenway Plaza City Houston STATE TX 289 77064-0995 (832) 676-5933	TO. FIELD AND FOOL, ON WILDON			
4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY:			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION TYPE OF ACTION				
NOTICE OF INTENT (Submit in Duplicate)  ACIDIZE  DEEPEN  FRACTURE TREAT  Approximate date work will start:  CASING REPAIR  NEW CONSTRUCTION  CHANGE TO PREVIOUS PLANS  OPERATOR CHANGE	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR			
CHANGE TUBING PLUG AND ABANDON  SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:  CHANGE WELL NAME PLUG BACK PRODUCTION (START/RESUME) COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	WATER DISPOSAL .  WATER SHUT-OFF  OTHER:			
Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 28 effective December 17, 2002.  BOND #				
State Surety Bond No. RLB0005236 Fee Bond No. RLB0005238	RECEIVED			
EL PASO PRODUCTION OIL & GAS COMPANY	LLD 3 0 3003			
	FEB 2 8 2003			
By:	DIV. OF OIL. GAS & MINING			
WESTPORT OIL AND GAS COMPANY, L.P.  David R. Dix  TITLE Agent and Attorn	ey-in-Fact			
SIGNATURE CUINY DATE				

(This space for State use only)

LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

			MAR 0 4 2003
Nume (Prin	CAMERON	PERATIONS No. 12003	DIV. OF OIL, CAS & MINING
Approved by		FEDERAL OR STATE USE	
Conditions of arrow	Vol (fam. on allaha)	Title	Date
Which would entitle	val, if any, are smacked Approval of this notice does not warrant or cant holds legal or equitable title to those sights in the subject lease the applicant to conduct operations thereon.	1	
Title 18 U.S.C.	Section 1001, make it a crime for any person knowingly a r fraudulent statements or representations as to any matter	and willfully to make to any department the interest of the control of the contro	ent or agency of the United States any
(Instructions on reve	rse)	ATOMA IN JULISHICATOR.	

#### **QPERATOR CHANGE WORKSHEET**

## 1. GLH 2. CDW 3. FILE

006

#### X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed	l, effective:	12-17-02				
FROM: (Old Operator):		TO: (New O	perator):			·
EL PASO PRODUCTION OIL & GAS COMPANY		WESTPORT C	IL & GAS	COMPANY	LP	
Address: 9 GREENWAY PLAZA	7	Address: P O E	OX 1148			
HOUSTON, TX 77064-0995		VERNAL, UT	84078			
Phone: 1-(832)-676-5933		Phone: 1-(435)	-781-7023			
Account No. N1845		Account No.	N2115			
CA N	0.	Unit:	NATURA	L BUTTES		
WELL(S)				•		
	SEC TWN	API NO	ENTITY	LEASE	WELL	WELL
NAME	RNG		NO	TYPE	TYPE	STATUS
NBU 322	34-09S-21E	43-047-33203	2900	STATE	GW	P
NBU 263	34-09S-21E	43-047-32793	2900	STATE	GW	P
NBU 439	34-09S-21E	43-047-34786	99999	STATE	GW	APD
NBU 440	34-09S-21E	43-047-34785	99999	STATE	GW	APD
CIGE 204-35-9-21	35-09S-21E	43-047-32794	2900	STATE	GW	P
NBU 310	35-09S-21E	43-047-32882	2900	STATE	GW	P
CIGE 239-35-9-21	35-09S-21E	43-047-33206	2900	STATE	GW	P
NBU CIGE 28-35-9-21	35-09S-21E	43-047-30739	2900	STATE	GW	P
NBU CIGE 54D-35-9-21	35-09S-21E	43-047-30851	2900	STATE	GW	P
NBU 69N2	35-09S-21E	43-047-31090	2900	STATE	GW	P
NBU 81V	35-09S-21E	43-047-31232	2900	STATE	GW	P
CIGE 115-35-9-21	35-09S-21E	43-047-31918	2900	FEDERAL	GW	P
CIGE 133-35-9-21	35-09S-21E	43-047-31978	2900	STATE	GW	P
NBU 156	35-09S-21E	43-047-32005	2900	FEDERAL	GW	P
CIGE 283	35-09S-21E	43-047-34790	99999	STATE	GW	APD
NBU 441	35-09S-21E	43-047-34791	99999	STATE	GW	APD
NBU 442	35-09S-21E	43-047-34788	99999	STATE	GW	APD
NBU 443	35-09S-21E	43-047-34789	99999	STATE	GW	APD
NBU 33-17B	17-09S-22E	43-047-30396	2900	FEDERAL	GW	P
NBU 48N3	18-09S-22E	43-047-30538	2900	FEDERAL	GW	P
OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation was received.		MER operator	on:	02/28/2003	-	
2. (R649-8-10) Sundry or legal documentation was received	d from the NEV	V operator on:	03/04/200	3		

3. The new company has been checked through the **Department of Commerce**, **Division of Corporations Database on:** 03/06/2003

4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181

5. If NO, the operator was contacted contacted on:

6. (I	R649-9-2) Waste Management Plan has been received on:	IN PLACE			
7.	Federal and Indian Lease Wells: The BLM and or operator change for all wells listed on Federal or Indian			r, name change, BIA-12/5/02	
8.	Federal and Indian Units: The BLM or BIA has approved the successor of unit open	erator for wells listed or	a: <u>02/27/2003</u>		
9.	Federal and Indian Communization Agreem The BLM or BIA has approved the operator for all wells		N/A		
10.	Underground Injection Control ("UIC") for the enhanced/secondary recovery unit/project for the	The Division has appr water disposal well(s) lis		Transfer of Authorit N/A	y to Inject,
DA	TA ENTRY:	00/10/0003			
1.	Changes entered in the Oil and Gas Database on:	03/18/2003			
2.	Changes have been entered on the Monthly Operator Ch	nange Spread Sheet on	<u>03/18/2003</u>		
3.	Bond information entered in RBDMS on:	N/A			. *
4.	Fee wells attached to bond in RBDMS on:	<u>N/A</u>			
<b>ST</b> 1.	ATE WELL(S) BOND VERIFICATION: State well(s) covered by Bond Number:	RLB 0005236			
	DERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:	158626364			
<b>IN</b> :	DIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:	RLB 0005239			
FE	E WELL(S) BOND VERIFICATION:				
1.	(R649-3-1) The NEW operator of any fee well(s) listed or	overed by Bond Numbe	r RLB 000523	8	
	The <b>FORMER</b> operator has requested a release of liability The Division sent response by letter on:	y from their bond on: N/A	N/A		
3. (	CASE INTEREST OWNER NOTIFICATION (R649-2-10) The FORMER operator of the fee wells has to of their responsibility to notify all interest owners of this c	been contacted and info		m the Division	·
CO	MMENTS:				
					-

Form 3 160-5 FORM APPROVED ) STATES (August 1999) OMB No. 1004-0135 DEPARTMENT OF THE INTERIOR Expires Inovember 30, 2000 **BUREAU OF LAND MANAGEMENT** 5. Lease Serial No. **SUNDRY NOTICES AND REPORTS ON WELLS** Multiple Wells - see attached Do not use this form for proposals to drill or reenter an 6. If Indian, Allottee or Tribe Name 007abandoned well. Use Form 3160-3 (APD) for such proposals. 7. If Unit or CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE - Other instructions on reverse side 891008900A Type of Well Oil Well Gas Well Other 8. Well Name and No. Name of Operator Multiple Wells - see attached WESTPORT OIL & GAS COMPANY, L.P. 9. API Well No. Address Phone No. (include area code) Multiple Wells - see attached P.O. BOX 1148 VERNAL, UT 84078 (435) 781-10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) **Natural Buttes Unit** Multiple Wells - see attached 11. County or Parish, State Uintah County, UT 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Acidize Deepen Production (Start/Resume) Water Shut-Off Alter Casing Fracture Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Other Change Plans Plug and Abandon Temporarily Abandon Final Abandonment Notice Convert to Injection Plug Back Water Disposal 13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection. Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well. The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of oringinal volume to 98.52% when the pressure was dropped. The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners. 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) COPY SENT TO OPERA J.T. Conley Operations Manager Signature DIV. OF OIL GAS & MINING 9-2-2003 THIS SPACE FOR FEDERAL OR STATE USE by the Federal Approved Of This Approved by Title **Utah Division o** Action is Necessary

<del>Oil. Gas and Mini</del>ne

ent or attency of the United States any

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and milifully to make

which would entitle the applicant to conduct operations thereon.

Instr	uctions: Fill in blue boxed creas with before and after project data. The evaluation results	
	are shown below and graphed automatically at the bottom of the page. This sheet	
	OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF	
Proje		
or's shown below and grophed outcomtically at the bottom of the page. his sheet is profected to prevent accident of letteration of the formulas. See JTC for changes.  OFX entered as annual costs and/or as unit OFX costs for \$/8F and \$/MCF  Project Name:    Is this job a well pull or production rig job 7777   N   (Y or N)		
1	<del></del>	
	\$/Year \$/Year \$/Year	
	Gross Oil Revenue \$1,088 \$1,099 \$11	
	NO. P. T.	
ļ	PULING UNIT SERVICE SO	
1	WIRELINE SERVICE \$0	
l	COURT TO THE COURT	
	COUVERAGE	
1	CONTR SERVICE \$0	
	LITH GUES SUSCEPTIONS	
	CUENICALTREATUR	
-	MATERIAL & SUPPLY \$0 \$150	
1	A DAJINICTO A TOUC COCKE	
	CACDIANTEDOCOFFEINO	
Ì	invesiment Breakdown:	
	Cap/Exp Oil Price \$ 23.00 \$/80	
Ì	Control of the principle of the princip	
	The state of the s	
	45 0174 V 2.00 4761	
	Badan.	
	Oil Production 0.192 BOPD 0.194 BOPD 0.002 BOPD	
	With Brook selfen	
	Use Same	
	Fuel Cor Burned	
	Project Life: Payout Calculation:	
	Life = 20.0 Years	
ł	- intermited in the state of th	• 1
ĺ	internal kate of Refurn:	
	i dyool occus when lold: At cashiow educis investi	nent
	AT COM CUSTATOW:	zero
	Operating Cashflow = (\$2,917) (Discounted @ 10%) Payout = NEVER Years or #VALUE!	ays
	Gross Reserves:	
	Oil Reserves = 6 BO	
	Gas Reserves = 0 MCF Gas Equiv Reserves = 38 MCFE	
Notes	/Assumptions:	
1	An average NBU well produces 0.192 Bapd with no lank pressure. The production is increased to 0.196 Bapd if 6 ors of pre- are placed on the lank. The increased production does not payout the valve cost or the estimated annual maintenance	sure
	Project: Condensate Shrinkage Economics	
	Project: Condensate Shrinkage Economics	
	\$0	-
	(\$500)	
	\$0	
	(\$500)	
	\$0 (\$500) \$\begin{align*} \text{\$(\pi_1,000)} \\ \text{\$(\pi_1,500)} \\ \text{\$\text{\$\frac{1}{2}}} \end{align*}	
	\$0 (\$500) (\$1,000)	
	\$0 (\$500) \$ (\$1,000) \$ (\$1,500) \$ (\$2,000)	
	\$0 (\$500) \$\begin{align*} \text{\$(\pi_1,000)} \\ \text{\$(\pi_1,500)} \\ \text{\$\text{\$\frac{1}{2}}} \end{align*}	
	\$0 (\$500) \$ (\$1,000) \$ (\$1,500) \$ (\$2,000)	
	\$0 (\$500) \$\frac{1}{2} (\$1,000) \$\frac{1}{2} (\$1,500) \$\frac{1}{2} (\$2,500)	

•

#### Westport Oil and Gas, Inc. NBU/Ouray Field

RFL 2003-022

### **COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl)	Specific Gravity of Flashed Gas	Separator Volume Factor	Separator Volume Percent
paig	°F	(A)	(Air=1.000)	(B)	(C)
Calculated	at Labora	tory Flash Condi	ition <b>s</b>		
80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	_	1.000	98.14%
Calculated	Flash witi	h Backpressure (	using Tuned EOS	;	
80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0		1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0		1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0		1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0		1.000	98.52%

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

<sup>(</sup>A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

<sup>(</sup>B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

<sup>(</sup>C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
NBU 419	21-10-21 NWNE	U02278	891008900A	430473437600S1
NBU 420	20-10-21 SESE	UTU02278	891008900A	430473437700S1
NBU 421	20-10-21 NESE	UTU02278	891008900A	430473437800S1
NBU 422	29-10-22 SWSE	UTU469	891008900A	430473441400S1
NBU 423	29-10-22 NWSE	UTU469	891008900A	430473441500\$1
NBU 424	29-10-22 NESW	UTU0145824	891008900A	430473441600S1
NBU 425	11-10-21 SENE	UTU01190	891008900A	430473441000\$1
NBU 426	11-10-21 SWNE	UTU01190	891008900A	430473441100S1
NBU 427	11-10-21 NWNE	UTU01190	891008900A	430473441800S1
NBU 428	33-9-21 NWSW	UTU015630ST	891008900A	430473470900S1
NBU 434	14-10-21 SENE	UTU465	891008900A	430473448100\$1 🗸
NBU 435	28-9-21 NWNW	UTU0576	891008900A	430473480500\$1
NBU 436	30-9-21 SWNE	UTU0581	891008900A	430473478000\$1
NBU 438	33-9-21 SWNW	UTU015630-ST	891008900A	430473478700S1
NBU 439	34-9-21 NENW	UTU01194-A-ST	891008900A	430473478600S1 V
NBU 440	34-9-21 SWNW	UTU01194-A-ST	891008900A	430473478500\$1
NBU 441	35-9-21 NWNW	UTU01194-A-ST	891008900A	430473479100\$1
NBU 442	35-9-21 NWSW	UTU01194-A-ST	891008900A	430473478800S1
NBU 443	35-9-21 SENW	UTU01194-ST	891008900A	430473478900S1
NBU 444	1-10-21 SWSW	UTU02842B	891008900A	430473479600S1
NBU 445	30-9-21 NWSE	UTU0581	891008900A	430473486700S1
NBU 446	8-9-21 SENW	UTU0149767	891008900A	430473462100S1 ✓
NBU 448	22-9-20 NWSW	UTU0577B	891008900A	430473478200S1
NBU 452	8-9-21 SWNE	UTU0149767	891008900A	430473487500\$1
NBU 453	8-9-21 NWSE	UTU0575B	891008900A	430473481600\$1
NBU 454	28-9-21 NWSE	UTU0576	891008900A	430473469800S1 🗸
NBU 455	29-9-21 SWSE	UTU0581	891008900A	430473469900S1 J
NBU 456	22-9-21 SESW	UTU010950A	891008900A	430473481800S1
NBU 457	22-9-21 NESE	UTU010950A	891008900A	430473481700S1
NBU 458	23-9-21 SENW	UTU0149075	891008900A	430473481900S1
NBU 459	27-9-21 NESE	UTU01194A-ST	891008900A	430473468000S1 V
NBU 460	30-9-21 SENE	UTU0581	891008900A	430473469700S1 🗸
NBU 461	14-10-22 SWNE	U01197A-ST	891008900A	430473482300S1
NBU 462	15-10-22 SENW	U-01196-A	891008900A	430473483900S1 🗸
NBU 463	15-10-22 NWNE	UTU025187	891008900A	430473484000S1
NBU 464	15-10-22 NENW	U025187	891008900A	430473484600S1
NBU 465	29-10-22 NWSW	SL070220A	891008900A	430473486000S1 √
NBU 466	32-10-22 NWNE	ML22798	891008900A	430473482400S1 🗸
NBU 468	11-10-21 SENW	UTU0149080	891008900A	430473485600S1
NBU 470	7-10-22 SWSE	UTU466	891008900A	430473483300\$1
NBU 471	17-10-22 NWNE	UTU01196E	891008900A	430473483400S1
NBU 472	32-10-22 SWNE	ML22798	891008900A	430473489600S1 V
NBU 492-7E	7-9-21 LOT 1	UTU0149767	891008900A	430473421700S1
NBU 922-361	36-9-22 NESE	MS22650	891008900A	430473510700S1 ✓
UTE TRAIL 08		UTU01196D	891008900A	430471538800S1
UTE TRAIL 08	38X 2-10-21 SESE	ML13826	891008900A	430471538900S1 🗸

A construction of the second

.

.

# DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH DIVISION OF OIL GAS AND MINING 6. Lease Designation and Serial Number

F8 DIVISI	ON OF OIL, GAS AND WINN	110	U-01194-A-ST			
			7. Indian Allottee or Tribe Name			
	CES AND REPORTS OF		Unit or Communitization Agreement			
Do not use this form for proposals to drill nev Use APPLIC	w wells, deepen existing wells, or to reenter ATION FOR PERMIT for such proposals		NATURAL BUTTES UNIT			
1. Type of Well			9. Well Name and Number			
C Gas	Other (specify)					
vveii vveii			NBU 440			
2. Name of Operator	ANIV I D		43-047-34785			
WESTPORT OIL & GAS COMPA  3. Address of Operator	MI, L.F.	4. Telephone Number	11. Field and Pool, or Wildcat			
P.O. BOX 1148, VERNAL, UTAI	H 84078	435-781-7060	NATURAL BUTTES			
5. Location of Well						
1	NL 515' FWL	•	UINTAH			
QQ, Sec, T., R., M : SWNW		<del> </del>	UTAH			
12. CHECK APPROPR	IATE BOXES TO INDICATE		, REPORT, OR OTHER DATA			
NOTICE OF			BSEQUENT REPORT bmit Original Form Only)			
(Submit in E			_			
Abandonment	New Construction	Abandonment	<del></del>			
Casing Repair	Pull or Alter Casing	Casing Repair	<del></del>			
X Change of Plans	Recompletion	Change of Pla	=			
Conversion to Injection	Shoot or Acidize	Conversion to				
Fracture Treat	Vent or Flare	Fracture Treat	Water Shut-Off			
Multiple Completion	Water Shut-Off	Other				
Other						
	WITEN ADDROVED	Date of Work Completion				
Approximate Date Work Will Start	WHEN APPROVED	Report results of Multiple	Completions and Recompletions to different reservoirs			
		•	OR RECOMPLETION AND LOG form.			
		<u> </u>	lied by a cement verification report.			
	ETED OPERATIONS (Clearly state all per al depths for all markers and zones pertin		dates. If well is directionally drilled, give subsurface			
locations and modeling and true verter		<b>,</b>				
OPERATOR REQUESTS TO AM						
FROM 250' TO 2000'. CHANGE		LEASE REFER TO THE	ATTACHED DHD			
REFLECTING THE CURRENT A		and by the	한 <b>경</b> - 연결			
	Ap	proved by the ah Division of	<del>-</del> 5			
The second secon		Gas and Mining				
COPY SENIT TO DEPORTE	14	2-74-10 A	<u> </u>			
Date: 18-22-3	Date:	Ser bottett	$\mathcal{F}$			
Initials: CHO	Ву: 🔎	1000				
And the second s						
14. I hereby certify that the foregoing	is true and correct.					
Name & SignatureDEBRA_DO	_ / _	nenc Title SRA	DMIN ASSIST Date 12/19/03			
(State Use Only)			RECEIVED			
			DEO			

DEC 2 2 2003

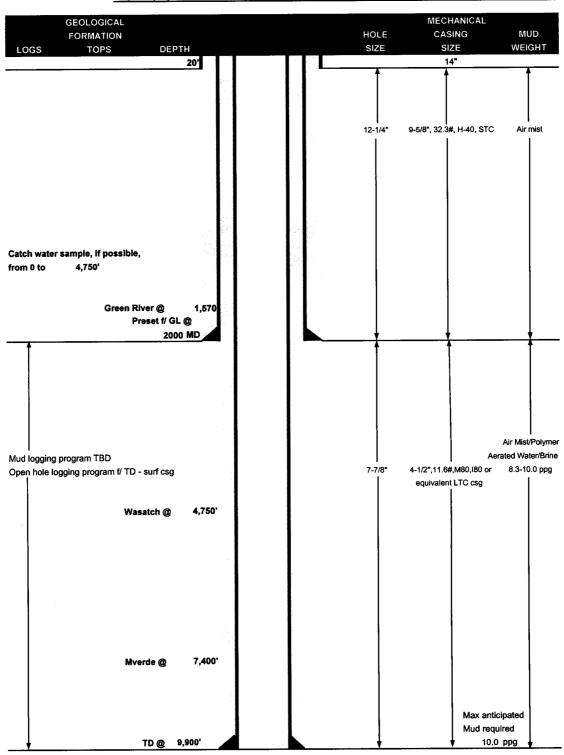
(8/90)



# Westport Oil and Gas Company, L.P. DRILLING PROGRAM

CONFIDENTIAL

Westport Oil and Gas Co., L.P. December 11, 2003 **COMPANY NAME** MD/TVD WELL NAME **NBU 440** 9,900' 4,958' GL KB 4,973' COUNTY Uintah STATE Utah **ELEVATION** FIELD Natural Buttes SURFACE LOCATION 1727' FNL & 515' FWL SWNW SEC.34, T9S, R21E BHL Straight Hole Lat (39°59'42") Long (109°32'43") OBJECTIVE ZONE(S) Wasatch/Mesaverde Regulatory Agencies: BLM, UDOGM (MINERALS & SURF), Tri-County Health Dept. ADDITIONAL INFO



# Westport Oil and Gas Company, L.P. DRILLING PROGRAM



#### CASING PROGRAM

							DESIGN FACTORS			
	SIZE	INTE	RVAL	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION	
CONDUCTOR	16"	0-20'					2270	1370	254000	
SURFACE	9-5/8"	0 1	to 2000	32.30	H-40	STC	0.76****** 7780	1.46 6350	4.49 201000	
PRODUCTION	4-1/2"	0 1	to 9900	11.60	M-80	LTC	2.62	1.23	2.01	

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD =

10.0 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)

MASP 2970 psi

Burst SF is low but csg is much stronger than formation at 2000. EMW @ 2000 for 2270# is 21.8 ppg or 1.13 psi/ft

#### CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
•	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + .25 pps flocele		1.5		
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will circulate water to s	urface, op	tion 2 will t	e utilized	
Option 2	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite	360	35%	12.60	1.81
			+.25 pps Flocele + 3% salt BWOW				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTI	ION LEAD 4,250'		Premium Lite II + 3% KCl + 0.25 pps	460	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,650'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1580	60%	14.30	1.31

<sup>\*</sup>Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

#### FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.								
PRODUCTION	Float shoe, 1 jt, float c	ollar. Centralize first 3 join	its & every third joint to top	of tail cement with bow	N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.				

#### ADDITIONAL INFORMATION

tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with up
& lower kelly valves.
Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
ENGINEER: DATE:

DRILLING ENGINEER:			DA	\TE:
	Brad Laney			
DRILLING SUPERINTENDENT:			D#	\TE:
	Randy Bayne	DHD_NBU440_SUNDRY		

Form 9

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

6. Lease Designation and Serial Number

V	n	9
v	v	v

U-01194-A-ST 7. Indian Allottee or Tribe Name SUNDRY NOTICES AND REPORTS ON WELLS 8. Unit or Communitization Agreement Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals NATURAL BUTTES UNIT 9. Well Name and Number Type of Well X Gas Oil Other (specify) **NBU #440** Well 10. API Well Number Name of Operator 2. 43-047-34785 WESTPORT OIL & GAS COMPANY L.P. 11. Field and Pool, or Wildcat Telephone Number Address of Operator 3. NATURAL BUTTES (435) 781-7024 1368 SOUTH 1200 EAST VERNAL, UT 84078 Location of Well County: UINTAH : 1727'FNL & 515'FWL Footage QQ, Sec, T., R., M : SWNW SECTION 34-T9S-R21E State : UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. SUBSEQUENT REPORT NOTICE OF INTENT (Submit Original Form Only) (Submit in Duplicate) **New Construction** Abandonment \* **New Construction** Abandonment **Pull or Alter Casing** Pull or Alter Casing Casing Repair Casing Repair Change of Plans Shoot or Acidize Recompletion Change of Plans Conversion to Injection Vent or Flare Shoot or Acidize Conversion to Injection Water Shut-Off Vent or Flare Fracture Treat Fracture Treat Water Shut-Off Other Multiple Completion Other ONE YEAR EXTENSION Date of Work Completion **IMMEDIATE** Approximate Date Work Will Start Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. Must be accompanied by a cement verification report. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION, SO THAT DRILLING OPERATIONS MAY BE COMPLETED. Approved by the Utah Division of Oil, Gas and Mining COPY SENT TO OPERATO

Initials: CHO

14. I hereby certify that the foregoing is true and correct.

Sheila Upchego

Title Regulatory Analyst

ate 01/12/04

Name & Signature
(State Use Only)

RECEIVED

JAN 2 0 2004

# Application for Permit to Drill Request for Permit Extension Validation

Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-34785  Well Name: NBU #440  Location: SWNW SECTION 34-T9S-R21E  Company Permit Issued to: WESTPORT OIL & GAS CO., L.P.  Date Original Permit Issued: 1/29/03								
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.								
Following is a checklist of some items related to the application, which should be verified.								
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No☑								
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□No☑								
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑								
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑								
Has the approved source of water for drilling changed? Yes□No☑								
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑								
Is bonding still in place, which covers this proposed well? Yes ☑No ☐								
Mult Tyches 1/12/2004 Signature Date								
Title: REGULATORY ANALYST								
Representing: WESTPORT OIL & GAS COMPANY L.P.								

<u>۔</u>

PRODUCTION PRODUCTION	c
PASO 1	
殟	C
01:09	
FRI	
MAR-12-2004	

STATE OF L										OPERATOR ACCT, NO. N 2115				
DIVISION OF OIL, GAS AND MINING ENTITY ACTION FORM - FORM 6			ADDRESS P.O. BOX 1148  VERNAL, UTAH 84078				·							
	ACHON FO	IKMI - FUKM 6		VERNAL,	UIAH 84	U/8								
ACTION CURRENT NEW APINUMBER				WELL NAME WELL LO						SPUD	EFFECTIVE	]		
CODE	ENTITY NO.	ENTITY NO.			QQ	8C	TP	RG	COUNTY	DATE	DATE			
	99999	14084	43-047-35346	BONANZA 1023-2C	NENW	2	108	23E	UINTAH	2/21/2004	3/18/04	K		
	TE MARTIN	BUCKET RIG	YNVRD AT 08:00 HRS											
ACTION	CURRENT	NEW	API NUMBER	WELL NAME	T		WELLE	CATION		SPUD	EFFECTIVE	1		
CODE	ENTITY NO.	ENTITY NO.			QQ	SC	TP	RG	COUNTY	DATE	DATE	ر [		
	99999	14085	43-047-35345	BONANZA 1023-2E	swnw	2	108	23E	UINTAH	2/17/2004	3/18/04	K		
1	XMMENTS:		murd											
		BUCKET RI	G '											
ACTION	CURRENT	NEW	AT 08:00 HRS	WELL NAME	T		WEILIG	CATION		SPUD	EFFECTIVE	4		
CODE	ENTITY NO.	ENTITY NO.	ATROIDER	P D Donaldon 1 W GLYPIA,	QQ	SC	TP	RG	COUNTY	DATE	DATE			
A	99999	14082	43-047-35235	GLEN BENCH FED 822-27P	SESE	27	<b>8</b> S	22E	UINTAH	3/12/2004	3/18/04	] K		
	DIMMENTS:		7MURO								······•			
	LL JR'S AIR F	40												
ACTION	CURRENT	NEW	AT 06:00 HRS	WELL NAME	Υ		WELL	OCATION		SPUD	EFFECTIVE	-{		
CODE	ENTITY NO.	ENTITY NO.	ATTIONDEN	WELL INGOLU	QQ	SC	TP	RG	COUNTY	DATE	DATE			
A	99999	14083	43-047-35236	GLEN BENCH FED 822-271	NESE	27	88	22E	UINTAH	3/10/2004	3/18/04	]K		
	DIAMENTS:		MURD									1		
	LL IRS RIG#	-	•											
	CURRENT	~	AT 13:00 HRS	WELL NAME	т		WEI I	OCATION		SPUO	EFFECTIVE	4 \		
ACTION CODE	ENTITY NO.	ENTITY NO.	APENUNDER	WELL IDAYE	QQ	SC	IP	RG	COUNTY					
B	99999	2900	43-047-34785	NBU 440	SWN <b>W</b>		98	21E	UINTAH	1/7/2004	3/18/04	K		
	DIMMENTS:									•	1	1		
MIRU SK	I AIR RIG		JSMVD								•	1		
SPUD W	ELL LOCATION	ON ON 1/7/04	AT 08:00 HRS									J		
<b>ACTION C</b>	ODES (See ins	tructions on bacl	k of form)	·					Marili	mach	1/1			
		ntity for new well	· · PU	st-it Fax Note 7671 Date 3/6	2/04 pa	u jes.►				LYUUL		_		
		existing entity (g	tombornary, A		ala I	DIHE	60		Qiillusinie _					
		ram one existing	STREETLY NO SERVICE		WAT AND	I AN I			REGULATOR	VANATVOT	03/12/04			
	•	irom one existing n comments secti	CHELL IN CHAIR	one # Out of A CONTA	ILI UZIG	100			Tile	MINLISE		OFCEN/EL		
	• •	ection to explain	why each Aci	UNS605000 90	9 18F	1029						RECEIVED		
(3/89)	- JUINIPLINI G	anner an archeol.	Fa	* (GDI) 359-3940 FX (435	5) 791-	1094			Phone No.	(435) 7	81-7024	MAD 1 2 2004		
(200)							_			1,5571	<u></u>	-MAR 1 2 2004		

# STATE OF UTAH

# CONFIDENTIAL

DIV OF OIL, GAS & MINING

0

DEPARTMENT OF NATURAL RESOURCES

11 DIVISION OF OIL, GAS AND MINIT	6. Lease Designation and Serial Number U-01194-A-ST					
		7. Indian Allottee or Tribe Name				
SUNDRY NOTICES AND REPORTS ON WELLS		Unit or Communitization Agreement				
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter  Use APPLICATION FOR PERMIT for such proposals	1					
	NATURAL BUTTES UNIT					
1. Type of Well  Gas  Gas  Gas  Gas  Gas		Well Name and Number				
Well Gas Well Other (specify)	NBU 440					
2. Name of Operator	10. API Well Number					
WESTPORT OIL & GAS COMPANY L.P.	43-047-34785					
3. Address of Operator	4. Telephone Number (435) 781-7024	i i				
1368 SOUTH 1200 EAST VERNAL, UTAH 84078  5. Location of Well	(433) /81-7024	NATURAL BUTTES				
Footage : 1727'FNL & 515'FWL	County :	UINTAH				
QQ, Sec, T., R., M : SWNW SECTION 34-T9S-R21E	<u> </u>	: UTAH				
12. CHECK APPROPRIATE BOXES TO INDICATE  NOTICE OF INTENT		BSEQUENT REPORT				
(Submit in Duplicate)	(Submit Original Form Only)					
Abandonment New Construction	Abandonment					
		Pull or Alter Casing				
Casing Repair Pull or Alter Casing	Casing Repair					
Change of Plans Recompletion	Change of Plai	<del></del>				
Conversion to Injection Shoot or Acidize	Conversion to					
Fracture Treat Vent or Flare	Fracture Treat					
Multiple Completion Water Shut-Off	X Other WELL	SPUD				
Other						
	3/27/04					
Approximate Date Work Will Start						
	Completions and Recompletions to different reservoirs OR RECOMPLETION AND LOG form.					
	* Must be accompanied by a cement verification report.					
13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all perti	nent details, and give pertinent d	ates. If well is directionally drilled, give subsurface				
locations and measured and true vertical depths for all markers and zones pertine	nt to this work.)					
MIRU SKI AIR RIG. DRILLED 17 1/2" CONDUCTOR HOLE T	'O 40! CMT W/50 CV D	EADV MIV				
MIRU SKI AIR RIG. DRILLED 17 1/2" CONDUCTOR HOLE I MIRU BILL MARTIN JR'S RATHOLE DRILLING RIG #3. DRI						
RAN 9 5/8" 32.3# H-40 STC CSG. PMP 125 SX G CMT W/2% C						
DROP PLUG ON FLY. DISP W/150 BW BUMP PLUG BLED O						
GR3. PMP 100 SX G CMT W/4% CACL2 0.25 PPS FLOCELE @						
PMP TOP OUT W/225 SX G CMT W/50# GR3 4% CACL2 0.25 PPS FLOCELE @16.0 PPG 1.1 FT3/SK NO RETURN						
PMP TOP OUT W/100 SX G CMT W/4% CACL2 0.25 PPS FLOO						
FELL DOWN HOLE.						
PMP TOP OUT W/40 SX G CMT W/4% CACL2 0.25 PPS FLOCELE @16.0 PPG 1.1 FT3/SK CMT TO SURFACE						
HOLE STAYED FULL.						
SPUD WELL ON 3/27/04 @0830 HRS.						
14. I hereby certify that the foregoing is true and correct.						
Name & Signature SHEILA UPCHEGO hulls Clashe	Title Regu	latory Analyst Date 04/02/04				
(State Use Only)		MECEINEU				
· · · · · · · · · · · · · · · · · · ·						

Form 9

## **TE OF UTAH** DEPARTMENT OF NATURAL RESOURCES

CONFI	DENTIAL
-------	---------

012

DIVISION OF OIL, GAS AND MINING 6. Lease Designation and Serial Number U-01194-A-ST 7. Indian Allottee or Tribe Name **SUNDRY NOTICES AND REPORTS ON WELLS** Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. 8. Unit or Communitization Agreement Use APPLICATION FOR PERMIT -- for such proposals NATURAL BUTTES UNIT 9. Well Name and Number Type of Well Oil Gas Other (specify) Well **NBU 440** Well 10. API Well Number Name of Operator 43-047-34785 WESTPORT OIL & GAS COMPANY L.P. Telephone Number 11. Field and Pool, or Wildcat Address of Operator (435) 781-7024 **NATURAL BUTTES** 1368 SOUTH 1200 EAST VERNAL, UTAH 84078 Location of Well County: UINTAH : 1727'FNL & 515'FWL Footage : UTAH State QQ, Sec, T., R., M : SWNW SECTION 34-T9S-R21E CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. SUBSEQUENT REPORT NOTICE OF INTENT (Submit Original Form Only) (Submit in Duplicate) Abandonment \* **New Construction New Construction** Abandonment Pull or Alter Casing Casing Repair Pull or Alter Casing Casing Repair Change of Plans Shoot or Acidize Recompletion Change of Plans Vent or Flare Shoot or Acidize Conversion to Injection Conversion to Injection Vent or Flare Fracture Treat Water Shut-Off Fracture Treat Other DRILLING OPERATIONS Water Shut-Off Multiple Completion Other Date of Work Completion 4/22/04 Approximate Date Work Will Start Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. \* Must be accompanied by a cement verification report. 13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) FINISHED DRILLING FROM 40' TO 8557'. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. CMT W/460 HILIGT CLASS G @11.0 PPG 3.38 YIELD LEAD MIX & PMP 2030 SX 50/50 POZ @14.3 PPG 1.31 YIELD. CMT BACK TO PIT. RELEASED CAZA 12 RIG ON 4/22/04 @11:00 PM.

14. I hereby certify t	that the foregoing is true and		1			
Name & Signature _	SHEILA UPCHEGO	Mula L	mhead Title	Regulatory Analyst	Date _	04/23/04
(State Use Only)		,	Û	RECEIVED		IVED

APR 2 6 2004

Form 9

#### STATE OF UTAH **DEPARTMENT OF NATURAL RESOURCES**



0

13	SION OF OIL, GAS AND MINI	NG	6. Lease Designation and Serial Number U-01194-A-ST
			7. Indian Allottee or Tribe Name
SUNDRY NOT	ICES AND REPORTS OF	N WELLS	
Do not use this form for proposals to drill r	new wells, deepen existing wells, or to reenter	plugged and abandoned wells.	8. Unit or Communitization Agreement
Use APPL	ICATION FOR PERMIT for such proposals		NATURAL BUTTES UNIT
Type of Well			9. Well Name and Number
Oil Well X Gas	Other (specify)		NBU 440
2. Name of Operator			10. API Well Number
WESTPORT OIL & GAS COM	PANY L.P.		43-047-34785
Address of Operator		4. Telephone Number	11. Field and Pool, or Wildcat
1368 SOUTH 1200 EAST VER	NAL, UTAH 84078	(435) 781-7024	NATURAL BUTTES
5. Location of Well			LID OD A H
,	'NL & 515'FWL		UINTAH
QQ, Sec, T., R., M : SWNV			UTAH
			REPORT, OR OTHER DATA
	OF INTENT  Duplicate)		BSEQUENT REPORT bmit Original Form Only)
		l —	
Abandonment	New Construction	Abandonment	
Casing Repair	Pull or Alter Casing	Casing Repair	=
Change of Plans	Recompletion	Change of Pla	ns Shoot or Acidize
Conversion to Injection	Shoot or Acidize	Conversion to	Injection Vent or Flare
Fracture Treat	Vent or Flare	Fracture Treat	Water Shut-Off
Multiple Completion	Water Shut-Off	X Other TD CI	HANGE
Other			
		Date of Work Completion	4/27/04
Approximate Date Work Will Start _			
			Completions and Recompletions to different reservoirs OR RECOMPLETION AND LOG form.
			nied by a cement verification report.
13. DESCRIBE PROPOSED OR COMP	LETED OPERATIONS (Clearly state all per		dates. If well is directionally drilled, give subsurface
	tical depths for all markers and zones pertin		
		T 1 3 7 G 7 D 7 D 7 D 7 D 7 D 7 D 7 D 7 D 7 D	0.0555
	ION'S TOTAL DEPTH WAS CE AT DEVELOP IN THE SURFA		
	COVERED, DRILLING WAS HA		
	'PIECE OF CONDUCTOR REM		
	IE WELL WAS THEN LOGGED		
RUN AND CEMENTED TO SU			RECEIVED
			MAY 0 3 2004
			DIM, OF OIL, GAS & MINING
AA I bank, and the the first the fir	an is true and control		
14. I hereby certify that the foregoing			
Name & Signature SHEILA U	PCHEGO //U/L/V/	Title Regi	ılatory Analyst Date 04/29/04
(State Use Only)		=	

Form 9

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

			FI		ΕÌ		AL
--	--	--	----	--	----	--	----

014	DIVISION OF	OIL, GAS AND MININ	1G		6. Lease Design	nation and Serial Number
011						01194-A-ST
					7. Indian Allotte	e or Tribe Name
		AND REPORTS ON				-
Do not use this form for		eepen existing wells, or to reenter	plugged and a	bandoned wells.	8. Unit or Comr	nunitization Agreement
	Use APPLICATION FO	OR PERMIT for such proposals			NATURA	AL BUTTES UNIT
1. Type of Well					9. Well Name a	nd Number
Oil Well	X Gas Well	Other (specify)				NBU 440
<ol><li>Name of Operat</li></ol>	tor	•			10. API Well Nu	mber
WESTPORT OIL	& GAS COMPANY L	.Р.				-047-34785
<ol><li>Address of Ope</li></ol>	rator		· ·	hone Number	11. Field and Po	·
1368 SOUTH 120	0 EAST VERNAL, UT	AH 84078	(435)	781-7024	NATU	RAL BUTTES
5. Location of Well	l : 1 <b>727'FNL &amp;</b> 51	5'EWI		County :	UINTAH	
Footage				•	UTAH	
QQ, Sec, T., R.		BOXES TO INDICATE	NATUDE			OTHER DATA
12. CHE			NATURE		SEQUENT REF	
	NOTICE OF INTER (Submit in Duplicate				omit Original Form	
	`			•		New Construction
Abandonmen	" <u> </u>	New Construction		Abandonment	=	
Casing Repa	ir 🔲	Pull or Alter Casing	▎ٰٰ	Casing Repair		Pull or Alter Casing
Change of Pl	ans	Recompletion	\ <u> </u>	Change of Plan	ns 🔲	Shoot or Acidize
Conversion to	o Injection	Shoot or Acidize		Conversion to	Injection	Vent or Flare
Fracture Trea	at 🔲	Vent or Flare		Fracture Treat		Water Shut-Off
Multiple Com	pletion	Water Shut-Off	X	Other PROD	UCTION STAR	T-UP
Other						
<del></del>			Date of W	ork Completion	5/22/04	
Approximate Date W	/ork Will Start					
					Completions and Rec OR RECOMPLETION	completions to different reservoirs
					ied by a cement ve	
12 DECODIRE PROF	DOSED OR COMPLETED OR	ERATIONS (Clearly state all per				
locations and mea	asured and true vertical depths	for all markers and zones perting	ent to this wo	rk.)		
	•					
		WAC DE ACED ONTO	AT EC O	N <i>E 1</i> 22 /04 A T C	1.20 ANT	

THE SUBJECT WELL LOCATION WAS PLACED ONTO SALES ON 5/22/04 AT 9:30 AM.

PLEASE REFER TO THE CHRONOLOGICAL WELL HISTORY.

14. I hereby certify t	nat the foregoing is true and correct.					_
Name & Signature	SHEILA UPCHEGO	MMM Title	Regulatory Analyst	Date	05/25/04	_
(State Use Only)						

(State Use Only)

RECEIVED

MAY 2 7 2004

#### WESTPORT OIL & GAS COMPANY, LP



#### CHRONOLOGICAL HISTORY

#### NBU 440

UINTAH COUNTY, UT

	SPUD	Surface Casing	Activity	Status
11/25/03			<b>Build Location, 15% Complete</b>	
11/26/03			<b>Build Location, 35% Complete</b>	Caza 81
12/1/03			Build Location, 50% Complete	Caza 81
12/2/03			Build Location, 65% Complete	Caza 81
12/3/03			Location Complete	Caza 81
12/4/03			Location Complete	Caza 81
12/5/03			Location Complete	Caza 81
12/8/03			Location Complete	Caza 81
12/9/03			<b>Build Location, 100% Complete</b>	Caza 81
12/10/03			<b>Build Location, 100% Complete</b>	Caza 81
12/11/03			<b>Build Location, 100% Complete</b>	Caza 81
12/12/03			<b>Build Location, 100% Complete</b>	Caza 81
12/15/03			Location Built, WOAR	Caza 81
12/16/03			Location Built, WOAR	Caza 81
12/17/03			Location Built, WOAR	Caza 81
12/18/03			Location Built, WOAR	Caza 81
12/19/03			Location Built, WOAR	Caza 81
12/22/03			Location Built, WOAR	Caza 81
12/23/03			Location Built, WOAR	Caza 81
12/29/03			Location Built, WOAR	Caza 81
12/30/03			Location Built, WOAR	Caza 81
1/2/04			Location Built, WOAR	Caza 81

CONFIDENTIAL

			VALUE IN INCLUMENT
-	1/5/04	Location Built, WOAR	Caza 81
	1/6/04	Location Built, WOAR	Caza 81
	1/7/04	Location Built, WOAR	Caza 81
	1/8/04	Location Built, WOAR	Caza 81
	1/9/04	Location Built, WOAR	Caza 81
	1/12/04	Location Built, WOAR	Caza 81
	1/13/04	Location Built, WOAR	Caza 81
	1/14/04	Location Built, WOAR	Caza 81
	1/15/04	Location Built, WOAR	Caza 81
	1/16/04	Location Built, WOAR	Caza 81
	1/19/04	Location Built, WOAR	Caza 81
	1/20/04	Location Built, WOAR	Caza 81
	1/21/04	Location Built, WOAR	Caza 81
	1/22/04	Location Built, WOAR	Caza 81
	1/23/04	Location Built, WOAR	Caza 81
	1/26/04	Location Built, WOAR	Caza 81
	1/27/04	Location Built, WOAR	Caza 81
	1/28/04	Location Built, WOAR	Caza 81
	1/29/04	Location Built, WOAR	Caza 81
	1/30/04	Location Built, WOAR	Caza 81
	2/2/04	Location Built, WOAR	Caza 81
	2/3/04	Location Built, WOAR	Caza 81
	2/4/04	Location Built, WOAR	Caza 81
	2/5/06	Location Built, WOAR	Caza 81
	2/6/04	Location Built, WOAR	Caza 81
	2/9/04	Location Built, WOAR	Caza 81
	2/10/04	Location Built, WOAR	Caza 81
	2/11/04	Location Built, WOAR	Caza 81
	2/12/04	Location Built, WOAR	Caza 81

# CONFIDENTIAL

	2/13/04		Location	Built, WOAR	Caza 81
	2/14/04		Location	Built, WOAR	Caza 81
,	2/16/04		Location	Built, WOAR	Caza 81
	2/17/04		Location	Built, WOAR	Caza 81
/	2/18/04		Location	Built, WOAR	Caza 81
	2/19/04		Location	Built, WOAR	Caza 81
	2/20/04		Location	Built, WOAR	Caza 81
	2/23/04		Location	Built, WOAR	Caza 81
	2/24/04		Location	Built, WOAR	Caza 81
	2/25/04		Location	Built, WOAR	Caza 81
	2/26/04		Location	Built, WOAR	Caza 81
	2/27/04		Location	Built, WOAR	Caza 81
	3/1/04		Location	Built, WOAR	Caza 81
	3/2/04		Location	Built, WOAR	Caza 81
	3/3/04		Location	Built, WOAR	Caza 81
	3/3/04		Location	Built, WOAR	Caza 81
	3/4/04		Location	<b>Built, WOAR</b>	Caza 81
	3/5/04		Location	Built, WOAR	Caza 81
	3/8/04		Location	Built, WOAR	Caza 81
	3/9/04		Location	Built, WOAR	Caza 81
	3/10/04		Location	Built, WOAR	Caza 81
	3/11/04		Location	Built, WOAR	Caza 81
	3/12/04		Location	Built, WOAR	Caza 81
	3/15/04	14" @40'	Location	Built, WOAR	Caza 12
	3/16/04	14" @40'	Location	Built, WOAR	Caza 12
	3/17/04	14" @40'	Location	Built, WOAR	Caza 12
	3/18/04	14" @40'	Location	Built, WOAR	Caza 12
	3/19/04	14" @40'	Location	Built, WOAR	Caza 12

3/22/03		14" @40'	Location Built, WOAR	Caza 12
3/23/04		14" @40'	Location Built, WOAR	Caza 12
3/24/04		14" @40'	Location Built, WOAR	Caza 12
3/25/04		14" @40'	Location Built, WOAR	Caza 12
3/26/04		14" @40'	Location Built, WOAR	Caza 12
3/29/04	3/27/04	14" @40'	Spud w/Air Rig. DA@ 1260'	Caza 12
3/30/04	3/27/04	14" @40'	Spud w/Air Rig. DA@ 1650'	Caza 12
3/31/04	3/27/04	9 5/8" @ 1966'	Drlg to 1995'. Set surf csg	WORT Caza 12
4/1/04	3/27/04	9 5/8" @ 1966'	Drlg to 1995'. Set surf csg	WORT Caza 12
4/2/04	3/27/04	9 5/8" @ 1966'	Drlg to 1995'. Set surf csg	WORT Caza 12
4/5/04	3/27/04	9 5/8" @ 1966'	Drlg to 1995'. Set surf csg	WORT Caza 12
4/6/04	3/27/04	9 5/8" @ 1966'		WORT Caza 12
4/7/04	3/27/04	9 5/8" @ 1966'		WORT Caza 12
4/8/04		9 5/8" @ 1966' and move to NBU	MW: 8.4 SD: 4/X/04 DSS:0 J. Rig 100% on location. SDFN.	
4/12/04	TD: 5175' Csg. 9 Finish rig up. Test BO 2008'-5175'. DA @ re	PE. Pick up BHA	66' MW: 8.4 SD: 4/9/04 and drill FE. Rotary spud 1930	DSS:3 on 4/9/04. Drill from
4/13/04	TD: 5950' Csg. 9 Drill from 5175'-5950	_		DSS:4
4/14/04	TD: 6700' Csg. 9	9 5/8" @ 196 '. DA @ report ti		DSS:5
4/15/04	TD: 6915' Csg. 9	9 5/8" @ 196 '. TFNB and MM	56' MW: 8.6 SD: 4/9/04 I. Drill from 6875'-6915'. DA @	DSS:6 report time.
4/16/04	TD: 7315' Csg. 1	_		DSS:7
4/19/04	TD: 8054'		1966' MW: 9.3 SD: 4/9/04	DSS:10

TD: 8054' Csg. 9 5/8" @ 1966' MW: 9.3 SD: 4/9/04 DSS:10 Drill from 7315'-7615'. Start light mud up. Drill from 7615'-7793'. Repair surface casing just below BOP. Drill f/ 7793'-8021'. TFNB and MM. Drill f/ 8021'-8054'. DA @ report time.

4/20/04

TD: 8485' Csg. 9 5/8" @ 1966' MW: 9.9 SD: 4/9/04 DSS:11 Drill f/ 8054'-8485'. DA @ report time.

4/21/04

TD: 8557' Csg. 9 5/8" @ 1966' MW: 10.4 SD: 4/9/04 DSS:12 Drill f/ 8485'-8557'. Surface casing started to leak. Notified State of leak. Consulted with Denver while repairing leak. Decision was made to TD well at 8557'. Finished casing repair. CCH and short trip for logs. TOOH for logs @ report time.

4/22/04

TD: 8557' Csg. 9 5/8" @ 1966' MW: 10.4 SD: 4/9/04 DSS:13 TOOH for logs. Run open hole logs. TIH to CCH for casing. LDDP and DC. Run 4 1/2" casing @ report time.

4/23/04

TD: 8557' Csg. 9 5/8" @ 1966' MW: 10.4 SD: 4/9/04 DSS: 14 Run and cement 4 1/2" Production Casing. Set slips. ND BOP stack. Cut off 4 ½" casing. Released rig @ 2300 hrs 4/22/04. Rig down rotary tools in preparation to move to NBU 441@ report time.

5/17/04

HELD SAFETY MEETING PU TBG. RU RIG NIGHT BEFORE & SPOT EQUIP NDWH, NUBOP, RU FLOOR & TBG EQUIP. PU & RIH W/3 7/8" MILL & 264 JTS. NEW 2 3/8" J-55 TBG. (SLM) TBG WAS DRIFTED. TAG PBTD @ 8490'. CIRCULATE WELL CLEAN W/130 BBLS 2% KCL WATER. POOH & LD 50 JTS ON FLOAT & STOOD BACK TBG. LD MILL. RD FLOOR & TBG EQUIP. NDBOP, NU (2) 4 1/16" X 10K FRAC VALVES. MIRU DOUBLE JACK TESTERS. PT 4 1/2" CSG & FRAC VALVES TO 7500#. (HELD GOOD) RDMO DBL JACK RU FLOOR. MIRU CUTTERS. RIH W/ PERF GUNS & PERF THE M.V. @ 8136'-8138', 8330'-8334', 8390'-8394', 8440'-8444' & 8466'-8467' USING 3-3/8" EXP GUNS, 23 GM, 0.35, 90\* PHASING, 4 SPF, (60 HLS) POOH 0# AFTER PERF. RDMO CUTTERS. PREP TO FRAC W/BJ ON MONDAY 5/17/04 6 PM SWI-SDF-WE.

5/18/04

6:30 AM RU BJ RIG CREW HELD W/ BJ AND CUTTERS TESTED LINES @ 8100# OPEN UP FRAC VAVLES CP: 828# PMP 51 BBLS KCL @ 4700# @ 25.5 BPM. ISIP: 3150#, FG: .81. 20 HOLES OPEN PUMPED 6 BBLS OF ACID AND 216 BBLS KCL @ 6100# @ 35.7 BPM. ISIP: 3150 FG: .81. 27 HOLES OPEN DROP 90 BIO BALL IN 3 BBLS OF ACID 134 BBLS KCL BALL OUT PUMPED 58 BBL@ 5530# @ 28.9 BPM ISIP: 3150, FG: .81. FRAC PUMPED 2216 BBLS LIGHTNING 18 AND 300,258# OF 20/40 MESH ISIP: 3750#, FG: .88, NPI: 600#

STAGE #2: RIH W/ 10K CBP AND PERF GUNS TO 7897' SET CBP PUH PERF 7867'-7862' 4SPF ( 20 HOLES) PUH PERF 7757'-7754' SPF (12 HOLES) TOTAL HOLES 32 W/ 3 3/8 GUNS BRK DN PERF @ 3305 PUMPED 47 BBLS 2% KCL @ 21.5 BPM @ 4440# ISIP: 3000#, FG: .82, PUMPED 1830 BBLS OF LIGHTNING 18 AND 250,140# OF 20/40 MESH. ISIP: 3550#, FG: .89, NPI: 550.

STAGE #3: RIH W/ 3-3/8" PERF GUN TO 7654' - 7652' PERF 4SPF ( 8 HOLES) ISIP: 3500# PERF ONLY. RIH W/ 5K CBP AND 3 3/8" PERF GUNS TO 7330' SET CBP PUH PERF 7300' - 7296' 4SPF(16 HOLES) PUH PERF 6871' - 6867' 4SPF (16 HOLES) PUH PERF 6550' -6548' 4SPF ( 8 HOLES) TOTAL HOLES OPEN FOR FRAC 40 HOLES 2 WIRELINE RUNS CP: 188#. BRK DN PERF @ 2185#. PUMPED 38 BBLS OF 2% KCL @ 25.9 BPM @ 3500#. ISIP: 2250#, FG: .76. PUMPED 1113 BBLS OF LIGHTNING 18 AND 149,344# OF 20/40 MESH. ISIP: 3550#, FG: .89, NPI: 1100#. 5:30 PM SI WELL. SDFD.

ENTIA

5/19/04

PROG: WHP: 1850#

STAGE #4: RIH W/ 4-1/2" BAKER 5K CBP & PERF GUNS. SET CBP @ 5900'. PERF THE WASATCH @ 5792'-5796' & 5854'-5859' USING 3-1/8" H.S.C. GUNS, 12GM, 0.34, 90\* PHASING, 4 SPF, (36 HLS) WHP: 116#. BRK DN PERFS @ 2112 @ 4 BPM. PMP'D 43 BBLS 2% KCL @ 2790 @ 24 BPM. ISIP: 1400#, FG: .67. PMPD 1283 BBLS LGHTG 16 GEL, & 203,026# 20/40 MESH SD. ISIP: 2750#, FG: .90, NPI: 1350#, MP: 3402#, MR: 28.5, AP: 2430, AR: 26.5 BPM. 6 PPG SD. RIH W/ 4-1/2" BAKER 5K CBP & SET @ 5550'. TOTAL SD: 902,768# & TOTAL FLUID: 6442 BBLS. POOH. RDMO BJ & CUTTERS. ND FRAC VALVES, NUBOP, RU FLOOR & TBG EQUIP. RIH W/ 3-7/8" MILL TOOTH BIT, POBS W/ R NIPPLE (ED GUDACK) & 172 JTS NEW 2-3/8" J-55 TBG. EOT @ 5532'. RU SWVL. PREP TO DRILL OUT (4) CBP'S IN AM. 3:00 PM SWI-SDFN.

5/20/04

PROG: <u>DRLG CBP #1</u> @ 5550'. DRILL OUT BAKER 5K CBP IN 20 MIN. 500# DIFF. RIH. TAG SD @ 5860'. C/O 40' SD.

<u>DRLG CBP #2</u> @ 5900' DRILL OUT BAKER 5K CBP IN 6 MIN. 500# DIFF. RIH, TAG SD @ 7300'. C/O 30' SD.

<u>DRLG CBP #3</u> @ 7330'. DRILL OUT BAKER 5K CBP IN 5 MIN. 400# DIFF. RIH, TAG SD @ 7760'. C/O 137' SD.

DRLG CBP #4 @ 7897'. DRILL OUT BAKER 10K CBP IN 15 MIN. 1500# DIFF. RIH, TAG SD @ 8450'. C/O 40' SD TO PBTD @ 8490'. CIRC WELL CLEAN. RD SWVL. POOH & LD 17 JTS ON FLOAT. LAND TBG ON HANGER W/ 247 JTS NEW 2-3/8" J-55 TBG. RD FLOOR & TBG EQUIPMENT. NDBOP, NUWH, DROP BALL & PMP OFF THE BIT @ 2200#. EOT @ 7952.96' & "R" NIPPLE @ 7951.54' ORIGINAL LTR: 6442 BBLS. AVG 11 MIN/PLUG & CO 247' SD. FLOW WELL TO PIT ON 24/64" CHK. FTP: 500#, SICP: 520#. LTR: 4762 BBLS @ 12N. 12N TURN WELL OVER TO FLOW TESTERS. RD RIG, RACK EQUIP. ROAD RIG TO G.B.#822-27H. MIRU, SPOT EQUIP. 5 PM SDFN

PROG: WELL ON FLOWBACK.

FLOWBACK REPORT: CP: 500#, TP: 650#, 24/64" CHK, 60 BWPH, 19 HRS, SD: TRACE, TTL BBLS FLOWED: 1402, TODAY'S LTR: 6442 BBLS, LOAD REC TODAY: 3082 BBLS, REMAINING LTR: 3360 BBLS, TOTAL LOAD REC TO DATE: 3082 BBLS.

HELD SAFETY MEETING DRLG EQUIP. EOT @ 5532'. ESTABLISH CIRC W/ 2% KCL W/ RIG PUMP.

5/21/04

PROG: WELL ON FLOWBACK.

FLOWBACK REPORT: CP: 1020#, TP: 660#, 24/64" CHK, 25 BWPH, 23 HRS, SD: TRACE, TTL BBLS FLOWED: 914, TODAY'S LTR: 3360 BBLS, LOAD REC TODAY: 914 BBLS, REMAINING LTR: 2446 BBLS, TOTAL LOAD REC TO DATE: 3996 BBLS.

5/24/04

PROG: WELL WENT ON SALES 5/22/04, 1500 MCF, 24/64" CHK, SICP: 1000#, FTP: 256#, 380 BW.

#### ON SALES

5/22/04: 429 MCF, 0 BC, 380 BW, TP: 256#, CP: 1000#, 24/64" CHK, 19.5 HRS, LP: 80#.

FORM 8			STA	TE OF	UTAH				<b>)</b>			
NAP DIVISION OF OIL. GAS AND MINING							5. LEASE DESI <i>U-01194</i>		D SERIAL NO.			
WELL	СОМР	LETION	OR R	ECOM	PLETION	R	<b>)</b>		-	6. IF INDIAN,	ALLOTTEE O	R TRIBE NAME
a. TYPE OF WELL		OII		GAS -			CONFIG	DENTIAL	,	7. UNIT AGRI	EEMENT NAM	E
		OIL WELL		GAS WELL	X DRY			RIOD		NATURA	N BLITTI	=S LINIT
1b. TYPE OF COMPL	ETION						EXP	IRED			LEASE NAME,	
NEW X	WORK OVER	DEEP- EN		PLUG BACK	DIFF. RESVR.		Other	94		NBU		
2. NAME OF OPERATO		AS COMPA	NY L.F	<b>.</b>		Û	MHUE	VITAL		9. WELL NO. 440		
3. ADDRESS AND TELE	EPHONE NO.				8		(435) 781	1-7024		10. FIELD ANI NATURA	D POOL OR WI AL BUTTI	
4. LOCATION OF W	ELL (Report	locations clearly a	nd in acc	ordance with	any State requiren	ients)	)			11. SEC., T., R	., M., OR BLOO	CK AND SURVEY
At Surface At top prod. Interval re	onorted below	v.		SWNW	1727'FNL &	515	FWL			OR AREA	I 34-T9S-I	R21E
At top prod. Interval is	eported octov	•										
At total depth				14. API NO. 43-047			1/29/03			12. COUNTY UINTAH	-	13. STATE  UTAH  19. ELEV. CASINGHEAD
	16. DATE T.D 4/21/04	REACHED	17. D	ATE COMPL. ( 2 <b>2/04</b>	Ready to prod. or Ph	ng &	18. ELEVATIONS <b>4958'GL</b>	(DF, RKB, RT,	GR, ETC.)*			19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD		21. PLUG, BA 8490'			22. IF MULTI HOW MA	PLE C		23. INTERVALS		TOOLS		CABLE TOOLS
8557' <sub>мр</sub>		TVD	MD		TVD			>	<u> X</u>			25. WAS DIRECTIONAL
24. PRODUCING INTER MESAVERDE						-58	59'					SURVEY MADE
26. TYPE ELECTRIC AL	ND OTHER LO	OGS RUN 6-10A. CN	1/10	LIGR	AIL CIG		27. WAS WELL DRILL STEE	CORED YES		(Submit analysi (See reverse sid	*	
23.		1 11				COR	RD (Report all s	trings set in w			-	
CASING 14" CONDUC	SIZE	WEIGHT 50#	, LB./FT.	40'	TH SET (MD)		HOLE SIZE 71/2"	50 SX	CEMENTIN	G RECORD		AMOUNT PULLED
9 5/8"	1011	32.3#		1995'			1/4"	390 SX				
4 1/2"		11.6#		8557'		7 7	7/8"	2490 SX				
				<u> </u>				20	TO T	DINC DECO	BD.	
29.			ER REC		SACKS CEMEN	т*	SCREEN (MD)	30. SIZE		BING RECO		PACKER SET (MD)
SIZE	R	OP (MD)	ВОТ	OM (MD)	SACKS CEMEN	1	SCREEN (ND)	2 3/8"	7953'	El III OM LINE		
31. PERFORATION RI	ECORD (Inter	val, size and numbe	r)				32.	ACID, S	HOT, FRACT	TURE, CEME	NT SQUEEZ	LE, ETC.
INTERVAL			SIZ	E	NUMBER		DEPTH INTE			MOUNT AND		
8136'- <b>8467</b> '					60 HOLES		8136'-846					& 300,258# 20/40 M
7754'-7867' 32 HOLES 7754'-7867' PMP 1830 BBLS LIGHTNING 18 & 250,140# 20 6548'-7654' PMP 1113 BBLS LIGHTNING 18 & 149,344# 20												
<b>5729'-</b> 5859'					36 HOLES		5729'-585		PMP 1283	BBLS LIGH	ITNING 18	& 203,026# 20/40 M
33.*					PR	ODU	CTION					
DATE FIRST PRODUC 5/22/04	TION	PRODUCTI FLOWI		OD (Flowing, g	as lift, pumpingsize	e and t	type of pump)				WELL STATU PRODU	
DATE OF TEST		HOURS TESTED	СНО	KE SIZE	PROD'N. FOR TEST PERIOD	OIL-	BBLS.	GASMCF.	1	ATERBBL.		GAS-OIL RATIO
5/23/04			24	24/64	>		0	<u>.                                    </u>	469		360	
FLOW. TUBING PRESS	S.	CASING PRESSU		CULATED OUR RATE	OIL-BBL.		GASMCI	F.	WATERBB	L.	OIL GRAVITY	'-API (CORR.)
99#		800#					0	469		360		
34. DISPOSITION OF C		d for fuel, vented, etc	.)						w	TEST WITNE	RECL	3 2004 5 4 6/25/2004
35. LIST OF ATTACH	MENTS										AUG n	2 2004
36. I hereby certify th	nat the forego	ing and attached i	igrmatio	n is complete	and correct as det	ermin	ned from all avail	lable records		Pana		J 2004
SIGNED SHE	ILA UP	HEGO	uli	tan	UJV TITLE	<u>RI</u>	EGULATO	RY ANAL	YST	UIV. (	JF CILDON	ડ <i>હ<b>6/25/2004</b></i>

# INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments. tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a pertinent to such interval.

[TEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of

the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

GEOLOGIC MARKERS		Top	Meas. Depth True Vert. Depth		
38.			Name	PU 1'	
		Description contents, etc.	tronds and	OTHER INFORMATION: SET CIBP @8100'. POOH. PU DMP BAILER. LOAD W/2 SX CMT & RIH TAG CIBP @8100' PU 1' DMP CMT (10' IN 4 1/2" CSG).	
of; cored intervals;	cushion used, reries.	Bottom		4757'	
/ and contents there	opth interval tested, bressures, and recov	E	dor	1577' 4757' 7574'	
37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals;	and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.		Готпацоп	GREENRIVER WASATCH MESAVERDE	

#### **STATE OF UTAH**

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL GAS AND MINING

				1 1.00	erene e		9.1
1 .		. 4 4	1	<b>4</b> : 3	* 6 ×		1 11 1
4		š.,	Same	1:1	14	. 3	1111
	1 1	4	i	1 1 3			1 1 1
1	الرساة	į i	į	أنسية الا	34 L	. 1	مسنالا

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS  On oil vise this form for proposed is dell now wells, significantly degine insiding well blook runner bettermine degin, now for phagoed wells, or to MTURAL BUTTES UNIT  1. TYPE OF MEL.  OIL WELL GAS WELLY OTHER  OF WESTPORTO TO U.S. GAS COMPANY L.P.  3. ADDRESS OF OPERATION  WESTPORTO TO U.S. GAS COMPANY L.P.  3. ADDRESS OF OPERATION  WESTPORTO TO U.S. GAS COMPANY L.P.  3. ADDRESS OF OPERATION  WESTPORTO TO U.S. GAS COMPANY L.P.  3. ADDRESS OF OPERATION  (4335) 781-7024  TO COMPANY L.P.  3. ADDRESS OF OPERATION  OTHER TO U.S. GAS COMPANY L.P.  3. ADDRESS OF OPERATION  (4335) 781-7024  TO COMPANY L.P.  3. ADDRESS OF OPERATION  OTHER TO U.S. GAS COMPANY L.P.  3. ADDRESS OF OPERATION  OTHER TO U.S. GAS COMPANY L.P.  3. ADDRESS OF OPERATION  OTHER TO U.S. GAS COMPANY L.P.  3. ADDRESS OF OPERATION  OTHER TO U.S. GAS COMPANY L.P.  4. TO COMPANY L.P.  OTHER TO U.S. GAS COMPANY L.P.  5. TO COMPANY L.P.  OTHER TO U.S. GAS COMPANY L.P.  1. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  TYPE OF ACTION  ONLY U.S. GAS COMPANY L.P.  1. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  ORANGE TO PREPARE THOMASTON  ORANGE TO	016 DIVISION OF O	5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST		
DO ALL DES IS COME FOR PROPOSED AS CHIT FOR WHILE, STATE  TYPE OF MELL  OIL WELL  OIL		ND REPORTS ON WEL	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
OLI WELL GAS WELL OTHER NUMBER ANAMERY WESTPORT OIL & GAS COMPANY L.P.  3. ADDRESS OF OPERATOR WESTPORT OIL & GAS COMPANY L.P.  3. ADDRESS OF OPERATOR WESTPORT OIL & GAS COMPANY L.P.  4. LOCATION OF WELL FOOTAGES AT SURFACE 1727FNL & 515FWL CITRCITA SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 34 9S 21E  11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION  12. NOTICE OF INTENT (Submission)   ACIDIZE   DIEEPEN   REPORTACE CURRENT FORMATION	Do not use this form for proposals to drill new wells, significantly deep drill horizontal laterals. Use APPLICATION	pen existing wells below current bottom-hole dept NFOR PERMIT TO DRILL form for such proposa	h, reenter plugged wells, or to s.	NATURAL BUTTES UNIT
WESTPORT OIL & GAS COMPANY L.P.  3. ADDRESS OF DEPAYOR  3. ADDRESS OF DEPAYOR  4. LOCATION OF WELL  FOOTAGES AT SURFACE 1727FNL & 515'FWL  COUNTY: UINTAH  CITICATION OF WELL  FOOTAGES AT SURFACE 1727FNL & 515'FWL  COUNTY: UINTAH  11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  NOTICE OF INTENT  (Submis In Dupleaus)  ADDRESS OF PREVIOUS PLANS  COMPANDE TREAS  CHANGE TO PREVIOUS PLANS  CHANGE TO PREVIOUS PLANS  CHANGE TO PREVIOUS PLANS  CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  PRODUCTION ISTARTIRESUME)  DISTRICT COMPANDE TO CHANGE WELL STATUS  PRODUCTION ISTARTIRESUME)  DISTRICT COMPANDE TO CHANGE WELL STATUS  PRODUCTION ISTARTIRESUME)  12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all partiment debals including dates, depths, volumes, etc.  MIRU RU PMP & LINES PMP 10 BBLS OF 10# BRINE DN CSG. NDWH. NUBOP. UNLAND TBG. POOH F/7688'. LD BHA  PU NEW BHA. RIH LAND TBG W/EOT @ 7688'. NDBOP NUWH. RDMO.   PROPERTOR SEPRICE SEPRICE SHELLA UPCHEGO  TITLE  REGULATORY ANALYST  RAME REGULATORY ANALYST  RAME REGULATORY ANALYST  RAME REGULATORY ANALYST  RAME REGULATORY ANAL	1. TYPE OF WELL OIL WELL GAS WEL	L 🗸 OTHER		
3. ADDRESS OF OPERATOR 1368 S 1200 E 1777 VERNAL 1808 S 1200 E 1777 VERNAL 1808 S 1200 E 1777 VERNAL 1 COCATION OF WELL 1 FOOTAGES AT SURFACE 1727 FINL & 515 FWL  QTROTA, SECTION, TOWNSHIP, PRANCE MERIDIAN SWINW 34 9S 21E 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. ADDRESS OF OTHER OF THE PROPERTY OF ACTION 13. ADDRESS OF THE PROPERTY AS A DEPTACK TO REPAIR WELL 14. CHANGE TO PREVIOUS PLANS 15. CHANGE TO PREVIOUS PLANS 16. CHANGE TUBING 17. PLUG AND ABANDON 17. CHANGE WELL STATUS 18. PLUG AND ABANDON 18. CHANGE WELL STATUS 19. CHANGE TO PREVAIT OF WELL STATUS 19. CHANGE WELL S				
POOTAGES AT SURFACE: 1727'FNL & 515'FWL  CTRCTR, SECTION, TOWNSHIP, RANGE, MERIDIAN, SWNW 34 9S 21E  STATE  UTAH  11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  NOTICE OF INTENT   SUBMISSION   DEEPREN   REPERFORATE CUSPENT FORMATION		STATE UT ZIP 84078		
TYPE OF SUBMISSION  TYPE OF SUBMISSION  NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: CASING REPAIR Approximate date work will start: CASING REPAIR CHANGE TURING CHANGE TURING CHANGE TURING CHANGE WELL NAME CHANGE TURING CHANGE WELL NAME CHANGE TURING CHANGE WELL STATUS CHANGE TURING CHANGE WELL STATUS CHANGE TURING CHANGE PRODUCTION (START/RESUME) WATER DISPOSAL CHANGE PRODUCTION (START/RESUME) WATER SHUT-OFF COMMISSION CONVERT WELL TYPE  THE DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  MIRU RU PMP & LINES PMP 10 BBLS OF 10# BRINE DN CSG. NDWH, NUBOP, UNLAND TBG. POOH F/7688'. LD BHA PU NEW BHA. RIH LAND TBG W/EOT @7688'. NDBOP NUWH. RDMO.  MAKE (PLESE PRINT, SHEILA UPCHEGO TITLE  REGULATORY ANALYST				COUNTY: UINTAH
TYPE OF SUBMISSION    TYPE OF ACTION   REPERFORATE CURRENT FORMATION   REPORT WELL   SUBTRACK TO REPAIR WELL   SIDETRACK TO REPAIR WATER DISPOSAL   WATER DISPOSAL   WATER DISPOSAL   WATER DISPOSAL   WATER SHUT-OFF   SIDETRACK TO REPAIR WELL THE SIDETRACK TO REPAIR WATER SHUT-OFF   SIDETRACK TO REPAIR WELL THE SIDETRACK TO SIDETRACK	QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWN	W 34 9S 21E		
NOTICE OF INTENT	11. CHECK APPROPRIATE BOX	ES TO INDICATE NATURE	OF NOTICE, REPOR	RT, OR OTHER DATA
SEP 2 8 2004  DIV. OF OIL, GAS & MINING  REGULATORY ANALYST  9/20/2004	NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  CASING REPAIR  CHANGE TO PRI CHANGE TUBING CHANGE TUBING CHANGE TUBING CHANGE WELL CHANGE WELL CHANGE WELL CHANGE WELL COMMINGLE PRI CONVERT WELL  12. DESCRIBE PROPOSED OR COMPLETED OPERATION MIRU RU PMP & LINES PMP 10 BBLS COMPLETED  ALTER CASING ALTER CASING CHANGE PAIR CHANGE TOBING CHANGE WELL COMMINGLE PRI CONVERT WELL  12. DESCRIBE PROPOSED OR COMPLETED OPERATION MIRU RU PMP & LINES PMP 10 BBLS COMPLETED	DEEPEN  FRACTURE  NEW CONS  EVIOUS PLANS  OPERATOR  PLUG AND  NAME  PLUG BACH  STATUS  PRODUCTION  RECLAMAT  TYPE  RECOMPLE  ONS. Clearly show all pertinent details incompleted in the constant of the consta	TREAT TRUCTION CHANGE ABANDON C DN (START/RESUME) ION OF WELL SITE TTE - DIFFERENT FORMATION Cluding dates, depths, volume I'H. NUBOP. UNLANI	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON  TUBING REPAIR  VENT OR FLARE  WATER DISPOSAL  WATER SHUT-OFF  OTHER:  Des, etc.
//////////////////////////////////////	SHEILA UPCHEGO			SEP 2 8 2004
	( /hullaha	Para	0/20/2004	

## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

# ROUTING 1. DJJ 2. CDW

#### X Change of Operator (Well Sold)

#### Operator Name Change/Merger

The operator of the well(s) listed below has chan	ged, effective:	1/6/2006						
FROM: (Old Operator):		TO: ( New Op	erator):					
N2115-Westport Oil & Gas Co., LP		N2995-Kerr-McGee Oil & Gas Onshore, LP						
1368 South 1200 East		1368 S	outh 1200	East				
Vernal, UT 84078		Vernal,	UT 84078	}				
Phone: 1-(435) 781-7024		Phone: 1-(435)	781-7024					
CA No.					Unit: NATURAL BUTTES UN			
WELL NAME	SEC TWN RNG		ENTITY		WELL	WELL		
	·. ·		NO	TYPE	TYPE	STATUS		
OPERATOR CHANGES DOCUMENT	ATION							
Enter date after each listed item is completed								
1. (R649-8-10) Sundry or legal documentation wa	as received from the	FORMER ope	rator on:	5/10/2006				
2. (R649-8-10) Sundry or legal documentation wa	as received from the	NEW operator	on:	5/10/2006	-			
3. The new company was checked on the Departs	ment of Commerce	, Division of Co	rporation	s Database o	n:	3/7/2006		
4a. Is the new operator registered in the State of U	Jtah: YES	Business Numb	er:	1355743-018	31			
4b. If $NO$ , the operator was contacted contacted of	on:	•			-			
5a. (R649-9-2)Waste Management Plan has been re	eceived on:	IN PLACE						
5b. Inspections of LA PA state/fee well sites comp		n/a	3 LA well:	s & all PA w	ells tran	sferred		
5c. Reports current for Production/Disposition & S	undries on:	ok						
6. Federal and Indian Lease Wells: The	BLM and or the E	BIA has appro	ved the n	nerger, nar	ne chan	ge,		
or operator change for all wells listed on Feder	al or Indian leases o	n:	BLM	3/27/2006	BIA	not yet		
7. Federal and Indian Units:								
The BLM or BIA has approved the successor				3/27/2006				
8. Federal and Indian Communization	•	,						
The BLM or BIA has approved the operator		vision has appro	and LUC E	n/a	afon of A	nthaulter ta		
9. Underground Injection Control ("U Inject, for the enhanced/secondary recovery un	,				siei oi A	umormy to		
DATA ENTRY:	in project for the wa	ner disposar wer	I(8) IIsled C	om:				
1. Changes entered in the Oil and Gas Database	on:	5/15/2006						
2. Changes have been entered on the <b>Monthly Op</b>				5/15/2006				
3. Bond information entered in RBDMS on:		5/15/2006		0.10,2000				
4. Fee/State wells attached to bond in RBDMS on		5/16/2006	i					
5. Injection Projects to new operator in RBDMS of	on:		•					
6. Receipt of Acceptance of Drilling Procedures f			n/a	Name Chan	ge Only			
BOND VERIFICATION:								
1. Federal well(s) covered by Bond Number:		CO1203						
2. Indian well(s) covered by Bond Number:		RLB0005239	•					
3. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number RLB0005236								
a. The FORMER operator has requested a release of liability from their bond on:  n/a rider added KMG								
The Division sent response by letter on:								
LEASE INTEREST OWNER NOTIFIC	CATION:							
4. (R649-2-10) The <b>FORMER</b> operator of the fee			_		Division			
of their responsibility to notify all interest owne	rs of this change on		5/16/2006					
COMMENTS:								

4 Form 3160-5 (August 1999)

#### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

#### SUNDRY NOTICES AND REPORTS ON WELLS

5. Lease Serial No. MILLTIDI E I EASES

IVIC	<i>)</i> L	IPLE	LEASE	5	
6.	If I	ndian. A	llottee or	Tribe Name	

	OSTATION TO THE ONLY OF THE CONTROLLED						MOLTIFLE LEAGES		
	Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.						, Allottee or Tri	be Name	
SUBMIT IN TRIPLI	CATE – Other instruc	tions	on revers	e si	de	7. If Unit of	r CA/Agreemen	t, Name and/or No.	
1. Type of Well					-				
Oil Well X Gas Well  2. Name of Operator	Other Other					8. Well Nat			
•							E WELLS	<u> </u>	
KERR-McGEE OIL & GAS C	NSHORE LP	3b. Pi		·		9. API Well	l No.		
3a. Address	none No. (inclu	de ar	ea code)						
1368 SOUTH 1200 EAST VERNAL, UT 84078 (435) 781-7024 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)						10. Field and	Pool, or Explo	ratory Area	
4. Location of Well (Foolage, Sec., I., K., M., or Survey Description)						II. County o	r Parish, State		
SEE ATTACHED						11. County o	r rarish, State		
						UINTAH C	COUNTY, U	TAH	
12. CHECK APPI	ROPRIATE BOX(ES) TO II	NDICA'	TE NATURE	OF 1	NOTICE. I	REPORT, OR	OTHER DAT	`A	
TYPE OF SUBMISSION	. ,				F ACTIO		· · · · · · · · · · · · · · · · · · ·		
								· · · · · · · · · · · · · · · · · · ·	
Notice of Intent	Acidize Alter Casing	_	pen cture Treat	님	Production Reclamation	1 (Start/Resume	· =		
Subsequent Report	Casing Repair	_	v Construction	H	Recomple		Well Int	tegrity CHANGE OF	
_	Change Plans		g and Abandon	ă	-	ly Abandon	OPERA		
Final Abandonment Notice	Convert to Injection	Plug	g Back		Water Disp				
B/A B	F KERR-MCGEE OIL & CHED WELL LOCATIONSHORE LP, IS RESPECTIONS CONDITIONS CONDITIONS CONDITIONS CONTROLOGICAL COLOGICAL COLOGICA COLOGI	NS. E	FFECTIVE BLE UNDER D UPON L NO. RLBO A D Div	JAN R TE EAS 1005 PI	NUARY 6 ERMS AN SE LAND 237. ROVE Where notoll,	i, 2006. ND CONDIT S. BOND C	TIONS OVERAGE 16106 U		
Name (Printed/Typed)		Title	_		_	Engineerin	g Technicia	ū	
RANDY BAYNE Signature //		Date	LLING MAN	NAG	EK	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·		
	THIS SPACE	FOR F	EDERAL OR	STAT	E USE				
Approved by			Title			Date			
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to conduct	table title to those rights in the subje	arrant or ect lease	Office						
Title 18 U.S.C. Section 1001, make		vingly a	nd willfully to	make	to any den	artment or ager	ncy of the Unite	ed States any	

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

#### SUNDRY NOTICES AND REPORTS ON WELLS

MULTIPLE LEASES

5. Lease Serial No.

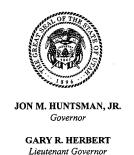
Do not use this abandoned well.	6. If Indian, Allottee or Tribe Name								
SUBMIT IN TRIPL	ICATE – Other instruc	ctions on reverse side	7. If Unit or CA/Agreement, Name and/or No.						
I. Type of Well Oil Well X Gas Well	Other		8. Well Name and No.						
2. Name of Operator			MUTIPLE WELLS						
WESTPORT OIL & GAS CO	OMPANY L.P.		9. API Well No.						
3a. Address	i	3b. Phone No. (include area code)							
	1368 SOUTH 1200 EAST VERNAL, UT 84078 (435) 781-7024 Location of Well (Footage, Sec., T., R., M., or Survey Description)								
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	n)							
05= 4== 44	11. County or Parish, State								
SEE ATTACHED	UINTAH COUNTY, UTAH								
12. CHECK APP	'ROPRIATE BOX(ES) TO IN	NDICATE NATURE OF NOTICE	E, REPORT, OR OTHER DATA						
TYPE OF SUBMISSION		TYPE OF ACTI	ON						
Notice of Intent	Acidize [	Deepen Product	tion (Start/Resume) Water Shut-Off						
	Alter Casing	Fracture Treat Reclam	ation Well Integrity						
Subsequent Report	Casing Repair	New Construction Recomp							
Final Abandonment Notice	Change Plans		arily Abandon OPERATOR						
	Convert to Injection	<del></del>	Disposal  of any proposed work and approximate duration thereof.						
following completion of the involved	ork will be performed or provide the operations. If the operation results bandonment Notices shall be filed	e Bond No. on file with BLM/BIA. Re sin a multiple completion or recompleti	true vertical depths of all pertinent markers and zones. equired subsequent reports shall be filed within 30 days on in a new interval, a Form 3160-4 shall be filed once eclamation, have been completed, and the operator has						
EFFECTIVE JANUARY 6, 2 THE OPERATORSHIP OF TONSHORE LP.	THE ATTACHED WELL	LOCATIONS TO KERR-Mc	GEE OIL & GAS						
	APPR	OVED <u>5/6/06</u>	,						
	£,		RECEIVED						
	Cu	love Russell	MAY 1 0 2000						
	Division (	of Oil, Cas and Mining ussell, Engineering Technic	MAY 1 0 2006						
	Lanene K	ussen, Engineering Technic	DIV OF OIL GAS & MINING						
14. I hereby certify that the foregoin	g is true and correct		THE THE SALE MINING						
Name (Printed/Typed)		Title							
BRAD LANEY Signature	······································	ENGINEERING SPECIAL	IST						
Signature		Date May 9, 2006							
THIS SPACE FOR FEDERAL OR STATE USE									
Approved by		Title	Date						
Conditions of annual is a sure			5-9-06						
Conditions of approver, if any, are attacked certify that the applicant holds legal of equ which would entitle the applicant to conduc	itable title to those rights in the subje	urant or Office of lease							

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

I	5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST					
SUNDRY	NOTICES AND REPORTS	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill n drill horizontal la	ew wells, significantly deepen existing wells below cur sterals. Use APPLICATION FOR PERMIT TO DRILL f	rrent bottom-hole depth, reenter plugged wells, or to form for such proposals.	7. UNIT OF CA AGREEMENT NAME: UNIT #891008900A			
1. TYPE OF WELL OIL WELL	GAS WELL 🗸 OTHER_		8. WELL NAME and NUMBER: NBU 440			
2. NAME OF OPERATOR: KERR McGEE OIL & GAS	ONSHORE LP		9. API NUMBER: 4304734785			
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST	Y VERNAL STATE UT ZIP	PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1727'F	·NL, 515'FWL		COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSHIP, RAN	ge, meridian: SWNW 34 9S, 2	21E	STATE: UTAH			
11. CHECK APPR	ROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
✓ NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION			
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL			
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	✓ TEMPORARILY ABANDON			
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR			
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE			
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL			
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF			
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE				
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	OTHER:			
THE OPERATOR REQUESTS AUTHORIZATION TO PLACE THE SUBJECT WELL LOCATION ON TEMPORARILY ABANDONMENT STATUS. THE SUBJECT WELL LOCATION IS CURRENTLY BEING EVALUATED FOR PLUG AND ABANDONMEN STATUS.  COPY SENT TO OPERATOR  Date: 5.19.2008  Initials: 15.						
NAME (PLEASE PRINT) SHEILA U	PCHEGO MALANO	TITLE SENIOR LAND A  DATE 4/24/2008	ADMIN SPECIALIST			
(This space for State use only)	REQUEST DENIED  Utah Division of  Oil, Gas and Mining  Date: 5/12/08	<b>-</b> -4				

(5/2000)



#### State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

October 1, 2008

CERTIFIED MAIL NO. 7004 2510 0004 1824 6466

Ms. Sheila Upchego Kerr McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, UT 84078

Re: Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases

Dear Ms. Upchego,

As of July 2008, Kerr McGee Oil & Gas has twenty-eight (28) State and Mineral Lease Wells (see attachment A) that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon showing of good cause by the operator (R649-3-36-1.3.3).

For extended SI/TA consideration the operator shall provide the Division with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- An explanation and supporting data if necessary, for showing the well has 3. integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2 October 1, 2008 Ms. Upchego

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet Petroleum Engineer

js Enclosure

cc: Jim Davis, SITLA Operator Compliance File Well File

#### ATTACHMENT A

	Well Name	API	Lease Type	Location	Years Inactive
1	CIGE 5	43-047-30335	STATE	NWSE Sec 31-09S-22E	1 Year 4 Months
2	CIGE 54D	43-047-30851	ML-22582	NENE Sec 35-09S-21E	2 Years 4 Months
3	CIGE 80D	43-047-30853	ML-22652	NWNW Sec 02-10S-21E	1 Year
4	CIGE 51D	43-047-30889	STATE	NENE Sec 31-09S-22E	1 Year 3 Months
5	NBU 54N	43-047-30890	ML-22649	NESW Sec 32-09S-22E	1 Year 3 Months
6	CIGE 92D	43-047-31162	STATE	SENW Sec 13-10S-20E	1 Year
7	NBU 213-36J	43-047-31268	ML-22650	NENE Sec 36-09S-22E	1 Year 1 Month
8	ARCHY BENCH STATE 1-2	43-047-31489	ML-22348-A	NENE Sec 02-11S-22E	1 Year 10 Months
9	CIGE 97D	43-047-31729	STATE	SESE Sec 31-09S-22E	1 Year 7 Months
10	NBU 157	43-047-32007	ML-22649	SESW Sec 32-09S-22E	1 Year 3 Months
11	NBU 343-36E	43-047-32205	ML-22650	SENW Sec 36-09S-22E	1 Year 7 Months
12	NBU 265	43-047-32796	ML-13826	NESE Sec 02-10S-21E	1 Year 2 Months
13	MORGAN STATE 12-36	43-047-32814	ML-22265	NESE Sec 36-09S-21E	1 Year
14	WONSITS STATE 1-32	43-047-32820	ML-47780	SWNE Sec 32-07S-22E	4 Years
15	NBU 333	43-047-33641	ML-23608	SWSW Sec 13-10S-21E	1 Year 6 Months
16	NBU 389	43-047-34229	ML-21329	NENE Sec 28-10S-21E	1 year 4 Months
17	STATE 921-32P	43-047-34422	ML-48758	SESE Sec 32-09S-21E	1 Year 5 Months
18	STATE 920-36P	43-047-34423	ML-48757	SESE Sec 36-09S-20E	2 years 9 Months
19	NBU 440	43-047-34785	STATE	SWNW Sec 34-09S-21E	1 Year 4 Months
20	NBU 442	43-047-34788	STATE	NWSW Sec 35-09S-21E	2 Years 8 Months
21	CIGE 284	43-047-34792	ML-23612	SWNW Sec 01-10S-21E	1 Year 2 Months
22	CIGE 285	43-047-34793	ML-22652	NENE Sec 02-10S-21E	1 Year 8 Months
23	STATE 920-36O	43-047-35788	ML-48757	SWSE Sec 36-09S-20E	1 Year 8 Months
24	NBU 1022-16G	43-047-35948	ML-3276	SWNE Sec 16-10S-22E	1 Year 2 Months
25	NBU 1022-16B	43-047-36158	ML-3276	NWNE Sec 16-10S-22E	1 Year 3 Months
26	NBU 921-34K	43-047-36389	STATE	NESW Sec 34-09S-21E	1 Year 2 Months
27	BONANZA 1023-16J	43-047-37092	ML-22186-A	NWSE Sec 16-10S-23E	1 Year 4 Months
28	NBU 921-34J	43-047-37953	STATE	NWSE Sec 34-09S-21E	1 Year

STATE OF UTAH

STATE OF UTAH	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	<ol><li>LEASE DESIGNATION AND SERIAL NUMBER:</li></ol>
DIVISION OF OIL, GAS AND MINING	U-01194-A-ST
THORTO ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
SUNDRY NOTICES AND REPORTS ON WELLS	ACCEPTATION NAME.
the balance provided the provid	7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-note depth, reenter plugg drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	8. WELL NAME and NUMBER:
TO STUDY	NBU 440
1. TYPE OF WELL OIL WELL GAS WELL VI OTHER	
2. NAME OF OPERATOR:	9, API NUMBER: 43047 <del>36288.</del> 34785
KERR McGEE OIL & GAS ONSHORE LP	10 FIELD AND POOL, OR WILDCAT:
2 ADDRESS OF OPERATOR:	
1368 SOUTH 1200 EAST CITY VERNAL STATE STATE	
4. LOCATION OF WELL	COUNTY: UINTAH
FOOTAGES AT SURFACE: 1727' FNL 515! FWL	M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 34 9S 21E	STATE: <b>UTAH</b>
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOT	ICE, REPORT, OR OTHER DATA
TYPE OF AC	CTION
TYPE OF SUBMISSION	REPERFORATE CURRENT FORMATION
✓ NOTICE OF INTENT  ACIDIZE  DEEPEN  FRACTURE TREAT	SIDETRACK TO REPAIR WELL
(Submit in Duplicate) ALTER CASING	TEMPORARILY ABANDON
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
PLUG BACK	✓ WATER DISPOSAL
Control Form Only)	ESUME) WATER SHUT-OFF
O) INIOL WILLIAM O	t .
COMMITTALE LINES OF THE PROPERTY OF THE PROPER	· · · · · · · · · · · · · · · · · · ·
CONVERT WELL TYPE RECOMPLETE - DIFFER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including date	es, depths, volumes, etc.
KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO COMMENCE C	ORRECTIVE ACTIVITIES FOR THE EPA
KERR MCGEE OIL AND GAS UNSHORE LF REGOLOTO TO SOMME	
PERMIT NUMBER UT21146-07824.	
DI CACE CEE ATTACHED	
PLEASE SEE ATTACHED.	
·	
	COPY SENT TO OPERATOR
	_
	Date: 11 13 2008
	111
	Initials: <u>KS</u>
	GULATORY ANALYST
NAME (PLEASE PINNI)	10,100.00
	/6/2008
SIGNATURE V TOUT OF COMPANY	
(This space for State use bity) PROVED BY THE STATE Federal Approval Of	This
(This space for State use brily PROVED BY THE STATE Federal Approval OF OF UTAH DIVISION OF Action Is Necessary	ary RECEIVED
OIL. GAS, AND MINING	
OIL, GAD, AND WINNING	NOV 1 U 2008
DATE) ALVIOLO DI	
(See Instructions on Reverse Side)	DIV. OF OIL, GAS & MINING

#### APPENDIX F

#### CORRECTIVE ACTION REQUIREMENTS

CORRECTIVE ACTION for NBU 921-34L (API 43-047-36388) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1663'-1951':

Perforate 1926' and 1686' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1951'
Release Packer
Reset RPB at 1750' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1663'
Remedial Activity will be contingent upon RTS Results
Squeeze perforations at 1926' and 1686' and return well to production status.

CORRECTIVE ACTION for NBU 440 (API 43-047-34785) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1634'-1928':

Perforate 1908' and 1666' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1850'
Conduct RTS to prove fluid confinement above 1928'
Release Packer

Reset RPB at 1700' and Packer at 1450' Conduct RTS to prove fluid confinement below 1634' Remedial Activity will be contingent upon RTS Results

Squeeze perforations at 1908' and 1666' and return well to production status.

CORRECTIVE ACTION for NBU 921-31L (API 43-047-36388) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1663'-1951':

Perforate 1926' and 1686' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1850'
Conduct RTS to prove fluid confinement above 1950'
Release Packer
Reset RPB at 1750' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1654'
Remedial Activity will be contingent upon RTS Results

Squeeze perforations at 1926' and 1686' and return well to production status.

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:

-not drilled

DIV. OF OIL, GAS & MINING

## STATE OF UTAH

	OF SAS AND M	INING		NOV 1 2 2008
(This space for State use only)	APPROVED BY THE OF UTAH DIVISION OIL, GAS, AND M	STATE ON OF	·	RECEIVED
SIGNATURE	Uponego we	DA	11/6/2008	
NAME (PLEASE PRINT) SHEILA	UPCHEGO	тп		ANALYST
				COPY SENT TO OPERATOR  Date: 11 · 24 · 2008  Initials: 15
	D GAS ONSHORE LP REQUESTS 1146-07824.			
12. DESCRIBE PROPOSED OR	CONVERT WELL TYPE  COMPLETED OPERATIONS. Clearly show all	<u> </u>	TE - DIFFERENT FORMATION cluding dates, depths, volut	
Date of work completion:	CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIONS	RECLAMAT	ON (START/RESUME)	NOTHER: Remedial Work
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE TUBING  CHANGE WELL NAME	PLUG AND PLUG BAC	<	✓ VENT OR FLARE  ✓ WATER DISPOSAL  WATER SHUT-OFF
	CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:	ACIDIZE  ALTER CASING  CASING REPAIR	DEEPEN FRACTURE NEW CONS		REPERFORATE CURRENT FORMATION  SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
TYPE OF SUBMISSION		Т	YPE OF ACTION	
11. CHECK AP	PROPRIATE BOXES TO INDICA	TE NATURE	OF NOTICE, REPO	ORT, OR OTHER DATA
FOOTAGES AT SURFACE: 1727 QTR/QTR, SECTION, TOWNSHIP, R	" FNL 515" FWL ange, meridian: SWNW 34 9S 2	21E		COUNTY: UINTAH  STATE:  UTAH
4. LOCATION OF WELL	OTTY VERNAL STATE UT ZIF	<sub>&gt;</sub> 84078	(435) 781-7024	NATURAL BUTTES
KERR McGEE OIL & GA 3. ADDRESS OF OPERATOR:		0.4070	PHONE NUMBER:	43047 <del>26388-</del> 34 785 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
2. NAME OF OPERATOR:				9. API NUMBER:
1. TYPE OF WELL OIL WELL		totiti for such propose		8. WELL NAME and NUMBER: NBU 440
Do not use this form for proposals to dri	III new wells, significantly deepen existing wells below cu al laterals. Use APPLICATION FOR PERMIT TO DRILL:	rrent bottom-hole dep	h, reenter plugged wells, or to	7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT
SUNDR	Y NOTICES AND REPORT	S ON WEL	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	DEPARTMENT OF NATURAL RESOU DIVISION OF OIL, GAS AND MI		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01194-A-ST	

(5/2000)

#### APPENDIX F

#### **CORRECTIVE ACTION REQUIREMENTS**

CORRECTIVE ACTION for NBU 921-34L (API 43-047-36388) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1663'-1951':

Perforate 1926' and 1686' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1951'
Release Packer
Reset RPB at 1750' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1663'
Remedial Activity will be contingent upon RTS Results

CORRECTIVE ACTION for NBU 440 (API 43-047-34785) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1634'-1928':

Squeeze perforations at 1926' and 1686' and return well to production status.

Perforate 1908' and 1666' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1850'
Conduct RTS to prove fluid confinement above 1928'
Release Packer

Reset RPB at 1700' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1634'
Remedial Activity will be contingent upon RTS Results

Squeeze perforations at 1908' and 1666' and return well to production status.

CORRECTIVE ACTION for NBU 921-31L (API 43-047-36388) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1663'-1951':

Perforate 1926' and 1686' w/ 4 SPF

TIH w/ RPB and Packer

Set RPB at 2100' and Packer at 1850'

Conduct RTS to prove fluid confinement above 1950'

Release Packer

Permit UT211-16-07824

Reset RPB at 1750' and Packer at 1450'

Conduct RTS to prove fluid confinement below 1654'

Remedial Activity will be contingent upon RTS Results

Squeeze perforations at 1926' and 1686' and return well to production status.

F-1

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:

- 100% fill by ealc.

- 100 % fill by calc.

-not drilled =



Kerr McGee Oil and Gas Onshore LP 1368 South 1200 East • Vernal, UT 84078 435-789-4433 • Fax 435-781-7094

**November 10, 2008** 

Mr. Dustin K. Doucet
Division of Oil, Gas and Mining

RE: Extended Shut-In and Temporarily Abandoned Wells

**Greater Natural Buttes Area** 

Dear Mr. Doucet:

Our plan of action for wells cited in your October 1, 2008, letter regarding SI and TA wells is attached. We plan to plug, recomplete or workover every well on the list during the next six months. We will positively establish casing mechanical integrity at that time. In particular, the EPA has requested an expanded Area of Review for the UIC permits we have either received or are preparing. We have to have a plan for a large number of wells in the bottom tier of sections in Township 9S-21E. These are shown in bold font.

We have not enclosed all of the data requested in light of the fact that we plan to mobilize on these wells in the near future. If you still require that data, please let us know and we will commence gathering it.

Sincerely,

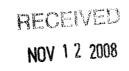
Ramey Hoopes

RECEIVED

NOV 1 2 2008

DIV. OF OIL, GAS & MINING

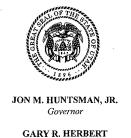
1	CIGE 5	43-047-30335
2	CIGE 54D	43-047-30851
3	CIGE 80D	43-047-30853
4	CIGE 51D	43-047-30889
5	NBU 54N	43-047-30890
6	CIGE 92D	43-047-31162
7	NBU 213-36J	43-047-31268
8	ARCHY BENCH STATE 1-2	43-047-31489
9	CIGE 97D	43-047-31729
10	NBU 157	43-047-32007
11	NBU 343-36E	43-047-32205
12	NBU 265	43-047-32796
13	MORGAN STATE 12-36	43-047-32814
14	WONSITS STATE 1-32	43-047-32820
15	NBU 333	43-047-33641
16	NBU 389	43-047-34229
17	STATE 921-32P	43-047-34422
18	STATE 920-36P	43-047-34423
19	NBU 440	43-047-34785
20	NBU 442	43-047-34788
21	CIGE 284	43-047-34792
22	CIGE 285	43-047-34793
23	STATE 920-36O	43-047-35788
24	NBU 1022-16G	43-047-35948
25	NBU 1022-16B	43-047-36158
26	NBU 921-34K	43-047-36389
27	BONANZA 1023-16J	43-047-37092
28	NBU 921-34J	43-047-37953



DIV. OF OIL, GAS & MINIEC

#### CATEGORY 3 - STATE OR FEE SHUT IN WELL LIST

CATEGORI 3 - STATE OF	K FEE SHUT IN WELL LIST		
	도 하는 경험되어 있다는 이번 기를 불발했다. 이 전략 그 하는 소설은 함께 발표하는 것이 보통했다. 그 등 보통	POA	- 建酸磺磺酸 이 사람들은 이 사용이 아이들은 사람들은 사람들은 사람들이 되었다. 그는 사람들은 사람들은 사람들은 사람들이 되었다. - 사람들의 호텔 (1911년) 전 1912년 - 1917년 - 1918년 - 19
Well	Reason for SI/TA	Timing	Comments & Reasoning for POA
Archy Bench State 1-2	Wellbore integrity issues & poor production	Q2 2009	Refrac & recomplete potential exists in well. Work will be done ro establish production.
Wonsits State 1-32	Not completed in best existing quality pay	Q1 2009	Recomplete potential exists in well. Work will be done ro establish production.
State 920-36P	High water producer with very little gas prodution	Q2 2009	Review of new drills within section & water shut off work needed to determine potential. Water shut off or P&A will be recommended.
State 920-360	High water producer with very little gas prodution	Q2 2009	Review of new drills within section & water shut off work needed to determine potential. Water shut off or P&A will be recommended.
NBU 1022-16G	High water producer with very little gas prodution	0	Should not be classified as SI as a WSO was performed & production was established in May of 2008. Current rates of 155 mcfd & 69 bwpd
NBU 1022-16B	High water producer with very little gas prodution	0	Should not be classified as SI as a WSO was performed & production was established in May of 2008. Current rates of 155 mcfd & 69 bwpd
NBU 213-36J			EOG operated well.
NBU 343-36E			EOG operated well.
BONANZA 1023-16J	Permits being prepared for additional wells		Surface casing set, preparing additional APD's to use location as a multi-well pad. This well will be drilled with the others.
CIGE 5	1.4 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
CIGE 80D	0.4 Bcf Tw Cum. Low gas production.	Q1 2009	Potential for Clean out and RTP.
CIGE 51D	1.0 Bcf Tw Cum. Twinned in 2007.		Can P&A.
NBU 54N	1.4 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
CIGE 92D	1.6 Bcf Tw Cum.	Q1 2009	Will review for bypassed pay. Prob depleted and can P&A.
CIGE 97D	0.4 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
NBU 157	0.5 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
NBU 265	0.05 Bcf Tw. Refraced in 2007.	Q1 2009	High risk RC cand: 1.7 Bcf Offset. 88XG prob beter RC candidate. Therefore P&A.
NBU 333	0.09 Bcf W/TM. RC Candidate.	Q4 2008	Reviewed 11-06 by kfm (me). Time to RC.
NBU 389	0.07 Bcf Tw Cum. RC Candidate.		2002 Vintage. Review for RC.
CIGE 54D	0.95 Bcf Tw Cum. SI in 2006.	Q4 2008	Will review for RC potential. Within EPA requested Area of Review.
MORGAN STATE 12-36	0.09 Bcf W/TM.	Q1 2009	Note comm w 41J, 2.7 Bcf well. Prob fraced into in 1997. High risk RC. P&A. Within EPA requested Area of Review.
STATE 921-32P	0.1 Bcf W/TM/MM. High water producer.	Q1 2009	Pkr below Mid Tw prod log, unsuccessful water shut off. Try pkr at Top of Kmv. Wihin EPA requested Area of Review.
NBU 440	0.01 Bcf W/TM/MM. High water producer.	Q1 2009	Attempt to set pkr at top of Kmv and produce.
CIGE 285	0.1 Bcf. W/TM/MM. High water producer.	Q1 2009	Attempt to set pkr at top of Kmv and produce.
NBU 442		Q42008	UIC permit application being prepared.
CIGE 284		Q1 2009	Within EPA requested Area of Review.
CIGE 285			Within EPA requested Area of Review.
NBU 921-34K			Mobilizing to convert well to injection.
NBU 921-34J		Q1 2009	Test Green River. UIC candidate. Within EPA requested Area of Review.



Lieutenant Governor

## State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA Division Director

Division Director

December 23, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6633

Ms. Ramey Hoopes Kerr McGee Oil and Gas 1368 South 1200 East Vernal, UT 84078 43 047 34785 NBU 940 95 21E 34

SUBJECT:

Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

dated September 23, 2008

Dear Ms. Hoopes:

The Division of Oil, Gas and Mining (Division) is in receipt of your letter dated November 10, 2008 (received by the Division on November 12, 2008) in regards to the twenty-eight (28) shut-in or temporarily abandoned (SI/TA) wells operated by Kerr McGee Oil and Gas (Kerr McGee). It is the Divisions understanding that Kerr McGee plans to plug, recomplete or workover every well on Attachment A during the next six months.

Based on the submitted information and plan to bring the listed wells out of non-compliance status within a six month period the Division grants extended SI/TA status for the wells listed on Attachment A until September 1, 2009, allowing adequate time to perform the proposed work.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281

Sincerely

Dustin K. Doucet

Petroleum Engineer

DKD/JP/js Enclosure

cc: Jim Davis, SITLA

Operator Compliance File

Well File

N:\O&G Reviewed Docs\Chron file\Petroleum Engineer\SITA\20081212 KerrMcGee SITA response.doc



#### ATTACHMENT A

	Well Name	API	Lease Type	Location	Years Inactive
1	CIGE 5	43-047-30335	STATE	NWSE Sec 31-09S-22E	1 Year 4 Months
2	CIGE 54D	43-047-30353	ML-22582	NENE Sec 35-09S-21E	2 Years 4 Months
3	CIGE 80D	43-047-30853	ML-22652	NWNW Sec 02-10S-21E	1 Year
4	CIGE 51D	43-047-30899	STATE	NENE Sec 31-09S-22E	1 Year 3 Months
	NBU 54N	43-047-30899	ML-22649	NESW Sec 32-09S-22E	1 Year 3 Months
	CIGE 92D	43-047-30890	STATE	SENW Sec 13-10S-20E	1 Year
	NBU 213-36J	43-047-31102	ML-22650	NENE Sec 36-09S-22E	1 Year 1 Month
	ARCHY BENCH STATE 1-2	43-047-31288	ML-22348-A	NENE Sec 02-11S-22E	1 Year 10 Months
	CIGE 97D	43-047-31729	STATE	SESE Sec 31-09S-22E	1 Year 7 Months
	NBU 157	43-047-31729	ML-22649	SESW Sec 32-09S-22E	1 Year 3 Months
	NBU 343-36E	43-047-32205	ML-22650	SENW Sec 36-09S-22E	1 Year 7 Months
	NBU 265	43-047-32796	ML-13826	NESE Sec 02-10S-21E	1 Year 2 Months
_	MORGAN STATE 12-36	43-047-32814	ML-22265	NESE Sec 36-09S-21E	1 Year
	WONSITS STATE 1-32	43-047-32820	ML-47780	SWNE Sec 32-07S-22E	4 Years
	NBU 333	43-047-33641	ML-23608	SWSW Sec 13-10S-21E	1 Year 6 Months
	NBU 389	43-047-34229	ML-21329	NENE Sec 28-10S-21E	1 year 4 Months
	STATE 921-32P	43-047-34422	ML-48758	SESE Sec 32-09S-21E	1 Year 5 Months
	STATE 920-36P	43-047-34423	ML-48757	SESE Sec 36-09S-20E	2 years 9 Months
	NBU 440	43-047-34785	STATE	SWNW Sec 34-09S-21E	1 Year 4 Months
	NBU 442	43-047-34788	STATE	NWSW Sec 35-09S-21E	2 Years 8 Months
21	CIGE 284	43-047-34792	ML-23612	SWNW Sec 01-10S-21E	1 Year 2 Months
22	CIGE 285	43-047-34793	ML-22652	NENE Sec 02-10S-21E	1 Year 8 Months
23	STATE 920-36O	43-047-35788	ML-48757	SWSE Sec 36-09S-20E	1 Year 8 Months
24	NBU 1022-16G	43-047-35948	ML-3276	SWNE Sec 16-10S-22E	1 Year 2 Months
	NBU 1022-16B	43-047-36158	ML-3276	NWNE Sec 16-10S-22E	1 Year 3 Months
26	NBU 921-34K	43-047-36389	STATE	NESW Sec 34-09S-21E	1 Year 2 Months
27	BONANZA 1023-16J	43-047-37092	ML-22186-A	NWSE Sec 16-10S-23E	1 Year 4 Months
28	NBU 921-34J	43-047-37953	STATE	NWSE Sec 34-09S-21E	1 Year



GARY R. HERBERT
Lieutenant Governor

## State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

**Division of Oil Gas and Mining** 

JOHN R. BAZA
Division Director

December 23, 2008 January 27, 2009 – re-mailed

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6633 (returned unclaimed)
CERTIFIED MAIL NO.: 7004 2510 0004 1824 6695

Ms. Ramey Hoopes Kerr McGee Oil and Gas 1368 South 1200 East Vernal, UT 84078

43 047 34785 NBU 440 95 21E 34

SUBJECT: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated September 23, 2008

Dear Ms. Hoopes:

The Division of Oil, Gas and Mining (Division) is in receipt of your letter dated November 10, 2008 (received by the Division on November 12, 2008) in regards to the twenty-eight (28) shut-in or temporarily abandoned (SI/TA) wells operated by Kerr McGee Oil and Gas (Kerr McGee). It is the Divisions understanding that Kerr McGee plans to plug, recomplete or workover every well on Attachment A during the next six months.

Based on the submitted information and plan to bring the listed wells out of non-compliance status within a six month period the Division grants extended SI/TA status for the wells listed on Attachment A until September 1, 2009, allowing adequate time to perform the proposed work.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281

Dustin K. Doucet

Petroleum Engineer

DKD/JP/js Enclosure

cc: Jim Davis, SITLA

Operator Compliance File

Well File

N:\O&G Reviewed Docs\Chron file\Petroleum Engineer\SITA\20081212 KerrMcGee SITA response.doc



#### ATTACHMENT A

	Well Name	API	Lease Type	Location	Years Inactive
1	CIGE 5	43-047-30335	STATE	NWSE Sec 31-09S-22E	1 Year 4 Months
2	CIGE 54D	43-047-30851	ML-22582	NENE Sec 35-09S-21E	2 Years 4 Months
3	CIGE 80D	43-047-30853	ML-22652	NWNW Sec 02-10S-21E	1 Year
4	CIGE 51D	43-047-30889	STATE	NENE Sec 31-09S-22E	1 Year 3 Months
5	NBU 54N	43-047-30890	ML-22649	NESW Sec 32-09S-22E	1 Year 3 Months
6	CIGE 92D	43-047-31162	STATE	SENW Sec 13-10S-20E	1 Year
7	NBU 213-36J	43-047-31268	ML-22650	NENE Sec 36-09S-22E	1 Year 1 Month
8	ARCHY BENCH STATE 1-2	43-047-31489	ML-22348-A	NENE Sec 02-11S-22E	1 Year 10 Months
9	CIGE 97D	43-047-31729	STATE	SESE Sec 31-09S-22E	1 Year 7 Months
10	NBU 157	43-047-32007	ML-22649	SESW Sec 32-09S-22E	1 Year 3 Months
11	NBU 343-36E	43-047-32205	ML-22650	SENW Sec 36-09S-22E	1 Year 7 Months
12	NBU 265	43-047-32796	ML-13826	NESE Sec 02-10S-21E	1 Year 2 Months
13	MORGAN STATE 12-36	43-047-32814	ML-22265	NESE Sec 36-09S-21E	1 Year
14	WONSITS STATE 1-32	43-047-32820	ML-47780	SWNE Sec 32-07S-22E	4 Years
15	NBU 333	43-047-33641	ML-23608	SWSW Sec 13-10S-21E	1 Year 6 Months
16	NBU 389	43-047-34229	ML-21329	NENE Sec 28-10S-21E	1 year 4 Months
17	STATE 921-32P	43-047-34422	ML-48758	SESE Sec 32-09S-21E	1 Year 5 Months
18	STATE 920-36P	43-047-34423	ML-48757	SESE Sec 36-09S-20E	2 years 9 Months
19	NBU 440	43-047-34785	STATE	SWNW Sec 34-09S-21E	1 Year 4 Months
20	NBU 442	43-047-34788	STATE	NWSW Sec 35-09S-21E	2 Years 8 Months
21	CIGE 284	43-047-34792	ML-23612	SWNW Sec 01-10S-21E	1 Year 2 Months
22	CIGE 285	43-047-34793	ML-22652	NENE Sec 02-10S-21E	1 Year 8 Months
23	STATE 920-36O	43-047-35788	ML-48757	SWSE Sec 36-09S-20E	1 Year 8 Months
24	NBU 1022-16G	43-047-35948	ML-3276	SWNE Sec 16-10S-22E	1 Year 2 Months
25	NBU 1022-16B	43-047-36158	ML-3276	NWNE Sec 16-10S-22E	1 Year 3 Months
26	NBU 921-34K	43-047-36389	STATE	NESW Sec 34-09S-21E	1 Year 2 Months
27	BONANZA 1023-16J	43-047-37092	ML-22186-A	NWSE Sec 16-10S-23E	1 Year 4 Months
28	NBU 921-34J	43-047-37953	STATE	NWSE Sec 34-09S-21E	1 Year



#### Kerr-McGee Oil & Gas Onshore LP

1368 South 1200 East Vernal Utah 84078 Telephone: 435-781-7024 Fax: 720-929-3616

August 26, 2009

**Dustin Doucet** State of Utah 1594 West North Temple, Suite 1210, PO Box 145801 Salt Lake City, UT 84114

NBU 440 95 21E 3A

SUBJECT: Response to Letter Regarding Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated September 23, 2008

Dear Mr. Doucet:

Kerr McGee Oil and Gas (Kerr McGee) is responding to the Division of Oil, Gas and Mining's request to bring the listed wells out of non-compliance status by September 1, 2009. See Attachment A for the list of wells and our plan for each well. All wells will either be plugged, recompleted, converted to SWD monitor wells, or have been returned to production.

Kerr McGee will be providing sundry notices and procedures within 60 days from this notice. If you have any questions or need additional information in regards to the above please contact Paul Wages at (435) 781 - 7037.

Sheila Wopsock
Regulator Regulatory Analyst

Enclosure

RECEIVED AUG 3 1 2009

#### **ATTACHMENT A**

Well Name	API	Plan
CIGE 5	4304730335	P&A
CIGE 54D	4304730851	Already TA'd for SWD monitor well
CIGE 80D	4304730853	TA – Monitor Well
CIGE 51D	4304730889	P&A
NBU 54N	4304730890	P&A
CIGE 92D	4304731162	P&A
NBU 213-36J	4304731268	EOG Well
ARCHY BENCH STATE 1-2	4304731489	P&A
CIGE 97D	4304731729	P&A
NBU 157	4304732007	P&A
NBU 343-36E	4304732205	EOG Well
NBU 265	4304732796	P&A
MORGAN STATE 12-36	4304732814	P&A
WONSITS STATE 1-32	4304732820	P&A
NBU 333	4304733641	P&A
NBU 389	4304734229	P&A
STATE 921-32P	4304734422	TA for future SWD monitor well or
STATE 920-36P	4304734423	P&A
NBU 440 TO9S RAIE 5-34	4304734785	TA – Monitor Well
NBU 442	4304734788	P&A
CIGE 284	4304734792	Has been returned to production
CIGE 285	4304734793	P&A
STATE 920-36O	4304735788	P&A
NBU 1022-16G	4304735948	Currently producing
NBU 1022-16B	4304736158	Currently producing
NBU 921-34K	4304736389	Already converted to SWD Well
BONANZA 1023-16J	4304737092	Has surface hole only, extend TA status to keep for future pad location
NBU 921-34J	4304737953	Extend TA status to evaluate for

RECEIVED AUG 3 1 2009

STATE OF UTAH			FORM 9		
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: U-01194-A-ST		
SUNDE	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for propos bottom-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepen or gged wells, or to drill horizontal laterals. Us	existing wells below current se APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 440				
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSI	HORE, L.P.		<b>9. API NUMBER:</b> 43047347850000		
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th S	treet, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1727 FNL 0515 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 34 Township: 09.0S Range: 21.0E Meridian: S			STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	☐ ACIDIZE	ALTER CASING	CASING REPAIR		
✓ NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME		
5/13/2010	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	■ NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK		
	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON		
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
Report Date.	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:		
THE OPERATOR REQ	MPLETED OPERATIONS. Clearly show all pert QUESTS AUTHORIZATION TO P CATION. PLEASE REFER TO TH ABANDONMENT PROCEDUR	LUG AND ABANDON THE E ATTACHED PLUG AND RE.	Approved by the Utah Division of Oil, Gas and Mining ate: May 19, 2010 y:		
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE Desirations Applicat			
Andy Lytle	720 929-6100	Regulatory Analyst			
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/11/2010			



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### **Sundry Conditions of Approval Well Number 43047347850000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. Amend Plug #1: 8 sx (100' minimum) shall be placed on top of the CIBP @ 5742', not 4 sx as proposed.
  - 3. All balanced plugs shall be tagged to ensure that they are at the depth specified.
    - 4. All annuli shall be cemented from a minimum depth of 100' to the surface.
    - 5. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration.
- 6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 7. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
  - 8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Approved by the Utah Division of Oil, Gas and Mining

Date:

D. . .

**API Well No:** 43-047-34785-00-00 Permit No: Well Name/No: NBU 440 Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P. Location: Sec: 34 T: 9S R: 21E Spot: SWNW String Information Length ( **Bottom** Coordinates: X: 624225 Y: 4428012 Diameter Weight String (ft sub) (inches) (lb/ft) Field Name: NATURAL BUTTES HOL1 40 17.5 County Name: UINTAH COND 40 14 50 40 HOL<sub>2</sub> 1995 12.25 **SURF** 1995 9.625 32.3 1995 HOL3 8557 7.875 Conductor: 14 in. @ 40 ft. 11-459 **PROD** 8557 4.5 11.6 8557 Hole: 17.5 in. @ 40 ft. T1 7953 2.375 Cement from 410 ft. to surface Plug # 5 (Step 7) while 23 1 fp. 35 ble 300/(1-15)(3017) = 865x 13821 1577 1105x total Vak Hole: 12.25 in. @ 1995 ft. Pl-9#4 (Step6)

155x = 198'

to Ce 1382' Cement Information BOC TOC String Class Sacks (ft sub) (ft sub) COND 410 0 2000 **PROD** 8557 0 HG 460 **PROD** 8557 0 50 2030 **SURF** 1995 0 PA 365 (1652) (1.459) = 210 /OK **SURF** 1995 0 G 125 3003 31001 Perforation Information Plug # 2 (Step 4)
(1552)(1.459) = 198 / 04 Top **Bottom** 3203<sup>1</sup> Shts/Ft No Shts Dt Squeeze (ft sub) (ft sub) 5729 8467 Approved by the **Utah Division of** Oil, Gas and Mining 5642 CBAD 5742 **Formation Information Formation** Depth **GRRV** 1577 **PARCK** 3100 **BMSW** 3100 WSTC 4757 **MVRD** 7574 Tubing: 2.375 in. @ 7953 ft. Production: 4.5 in. @ 8557 ft. Hole: 7.875 in. @ 8557 ft. 8467 TD: 8557 TVD: 8557 PBTD: 8490

NBU 440 1727' FNL & 515' FWL SWNW - Section 34 - T9S - R21E Uintah County, UT

KBE: API NUMBER: 4973 43-047-34785 GLE: 4958' LEASE NUMBER: U-01194-A-ST TD: 8557' WI: 100.000000% PBTD: NRI: 8090' (CIBP) 81.24800% ORRI: 7.592840%

**CASING:** 12.25" hole

9.625", 32.3#, H-40 @ 1995' w/125 sx Class G cement (15.6 ppg, 1.18 cuft/sx yield) out casing shoe. Pumped a top job in four stages using Class G cement mixed at 16.0 ppg, 1.1 cuft/sx yield as follows:

- Stage 1, 100 sx, no returns.
- Stage 2, 225 sx, no returns.
- Stage 3, 100 sx, cement to surface, but fell back down annulus.
- Stage 4, 40 sx, cement to surface and annulus stayed full.
- Primary Cement Job Coverage, 1524-1995' by calculation
- Top job coverage, 0-1633' by calculation.

Cement fill from surface to 1995' by calculation and observation.

7.875" hole

4.5", 11.6#, I-80 @ 8557' w/460 sx HiLite G lead, 2030 sx 50-50 Pozmix tail. Circulated 50 bbl cement to surface, TOC @ 130' by CBL.

**TUBING:** 2.375" 4.7# J-55 landed at 7679'

Tubular/Borehole	Drift	Collapse	Burst	Capacities		
	inches	psi	Psi	Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.0217	0.00387
					3	
4.5" 11.6# N/M/I-80 csg	3.875	6350	7780	0.6528	0.0872	0.01554
9.625" 32.3# H-40 csg	8.845	1400	2270	3.3055	0.4418	0.0787
Annular Capacities						
2.375" tbg. X 4.5" 11.6# csg.				0.4226	0.0565	0.01006
4.5" csg. X 9.625" 32.3# csg.			2.4780	0.3314	0.0590	
4.5" csg. X 7.875" hole				1.7052	0.2278	0.0406
9.625" csg. X 12.25" hole 2.343				2.3436	0.3132	0.0558

#### **GEOLOGIC INFORMATION:**

Formation Depth to top, ft.

Uinta Surface
Green River 1482'
Mahogany 2115'
Parachute Member 3103'
Wasatch 4757'
Mesa Verde 7574'

#### Tech. Pub. #92 Base of USDW's

USDW Elevation ~2100' MSL USDW Depth ~2758' GLE

This depth is inconsistent with actual samples taken from the Bird's Nest at numerous other wells in the immediate vicinity.

#### **PERFORATIONS**

Formation	Date	Тор	Bottom	SPF	Status
Wasatch	5/18/2006	5792	5796	4	Open
Wasatch	5/18/2006	5854	5859	4	Open
Wasatch	5/17/2006	6548	6550	4	Open
Wasatch	5/17/2006	6867	6871	4	Open
Wasatch	5/17/2006	7296	7300	4	Open
Mesa Verde	5/17/2006	7754	7757	4	Open
Mesa Verde	5/17/2006	7862	7867	4	Open
CIBP	6/30/2004	8100			
Mesa Verde	5/14/2006	8136	8138	4	Excluded
Mesa Verde	5/14/2006	8330	8334	4	Excluded
Mesa Verde	5/14/2006	8390	8394	4	Excluded
Mesa Verde	5/14/2006	8440	8444	4	Excluded
Mesa Verde	5/14/2006	8466	8467	4	Excluded

# **WELL HISTORY**

## Completion - May 2004

- Ran CBL with cement top at 130'. Perforated the gross Mesa Verde interval 8136' through 8467' and fractured with 2216 bbl gel containing 300258# 20/40 mesh sand.
- Perforated the gross Mesa Verde interval 7754' through 7867' and fractured with 1830 bbl gel containing 250140# 20/40 mesh sand.
- Perforated the gross Wasatch interval 6548' through 7300' and fractured with 1113 bbl gel containing 149344# 20/40 mesh sand.
- Perforated the gross Wasatch interval 5792' through 5859' and fractured with 1213 bbl gel containing 203026# 20/40 mesh sand.
- Drilled out to original PBTD and landed tubing at 7953'.
- Tested 469 MCFD, 0 BOPD, 469 BWPD, 99 psi FTP, 800 psi SICP, 24/64<sup>th</sup> choke on 5/23/2004.

#### Workover #1 - June 2004

- Cleaned out sand from 8280' to original PBTD.
- Ran packer to 5680' and pressure tested annulus to 3000 psi.
- Set packer at 7990', swabbed to kick off, tested tubing and annulus sides with inconclusive results. Set packer at 7730', swabbed to kick off, tested tubing and annulus sides with inconclusive results.
- Set CIBP at 8100' with 10' of cement on top.
- Landed tubing at 7679' and RTP.

# NBU 440 PERMANENT ABANDONMENT PROCEDURE

#### **GENERAL**

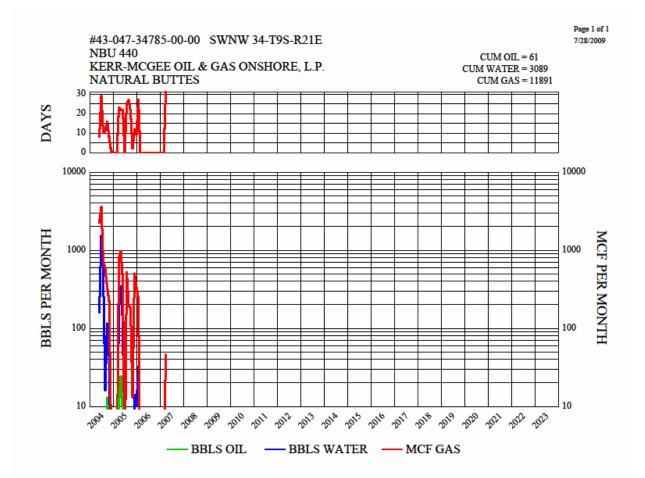
- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED PRODUCED WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5
  GALLSONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

# **PROCEDURE**

Note: An estimated 160 sx Class "G" cement needed for procedure Note: Gyro ran to 6000' on 4/25/08

- 1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
- 2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
- 3. PLUG #1, ISOLATE WASATCH/MESAVERDE PERFORATIONS (5792' 7867'): RIH W/ 4 ½" CIBP. SET @ ~5742'. RELEASE CIBP, BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE 4 SX (4.36 CUFT.) ON TOP OF PLUG. PUH ABOVE TOC (~5692'). REVERSE CIRCULATE W/ TREATED WATER.
- 4. PLUG #2, PROTECT BASE OF PARACHUTE MEMBER (~3103'): PUH TO ~3203'. BRK CIRC W/ FRESH WATER. DISPLACE 17.44 CUFT. (~15 SX) AND BALANCE PLUG W/ TOC @ ~3003' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
- 5. PLUG #3, PROTECT MAHOGANY TOP (~2115) & BASE OF USDW'S (~2100): PUH TO ~2215'. BRK CIRC W/ FRESH WATER. DISPLACE 18.75 CUFT. (~16 SX) AND BALANCE PLUG W/ TOC @ ~2000' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
- 6. PLUG #3, PROTECT GREEN RIVER TOP (~1482): PUH TO ~1582'. BRK CIRC W/ FRESH WATER. DISPLACE 17.44 CUFT. (~15 SX) AND BALANCE PLUG W/ TOC @ ~1382' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
- 7. **PLUG #4, SURFACE:** POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ ~300' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP A MINIMUM OF 125.58 CUFT. (~110 SXS) OR SUFFICIENT VOLUME TO FILL ANNULUS AND CASING TO SURFACE.
- 8. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
- 9. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM 5/11/10



	FORM 9			
	5.LEASE DESIGNATION AND SERIAL NUMBER: U-01194-A-ST			
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	sals to drill new wells, significantly deepen ex gged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 440	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSI	HORE, L.P.		9. API NUMBER: 43047347850000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th St	treet, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1727 FNL 0515 FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 34	P, RANGE, MERIDIAN: Township: 09.0S Range: 21.0E Meridian: S		STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
THE OPERATOR REQ	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR  WATER SHUTOFF  WILDCAT WELL DETERMINATION  MPLETED OPERATIONS. Clearly show all pertine DUESTS AUTHORIZATION TO PLUCATION. PLEASE REFER TO THE ABANDONMENT PROCEDURE	UG AND ABANDON THE ATTACHED PLUG AND E.	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  APD EXTENSION  OTHER:  Olumes, etc.  Approved by the  Utah Division of  Oil, Gas and Mining  ate: May 19, 2010	
		В	Jest Clant	
NAME (PLEASE PRINT) Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	TITLE Regulatory Analyst		
SIGNATURE N/A		<b>DATE</b> 5/11/2010		



# The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

# Sundry Conditions of Approval Well Number 43047347850000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. Amend Plug #1: 8 sx (100' minimum) shall be placed on top of the CIBP @ 5742', not 4 sx as proposed.
  - 3. All balanced plugs shall be tagged to ensure that they are at the depth specified.
    - 4. All annuli shall be cemented from a minimum depth of 100' to the surface.
    - 5. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration.
- 6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 7. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
  - 8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Approved by the **Utah Division of** Oil, Gas and Mining

**API Well No:** 43-047-34785-00-00 Permit No: Well Name/No: NBU 440 Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P. Location: Sec: 34 T: 9S R: 21E Spot: SWNW String Information Length ( **Bottom** Coordinates: X: 624225 Y: 4428012 Diameter Weight String (ft sub) (inches) (lb/ft) Field Name: NATURAL BUTTES HOL1 40 17.5 County Name: UINTAH COND 40 14 50 40 HOL<sub>2</sub> 1995 12.25 **SURF** 1995 9.625 32.3 1995 HOL3 8557 7.875 Conductor: 14 in. @ 40 ft. 11-459 **PROD** 8557 4.5 11.6 8557 Hole: 17.5 in. @ 40 ft. T1 7953 2.375 Cement from 410 ft. to surface Plug # 5 (Step 7) while 23 1 fp. 35 ble 300/(1-15)(3017) = 865x 13821 1577 1105x total Vak Hole: 12.25 in. @ 1995 ft. Pl-9#4 (Step6)

155x = 198'

to Ce 1382' Cement Information BOC TOC String Class Sacks (ft sub) (ft sub) COND 410 0 2000 **PROD** 8557 0 HG 460 **PROD** 8557 0 50 2030 **SURF** 1995 0 PA 365 (1652) (1.459) = 210 /OK **SURF** 1995 0 G 125 3003 31001 Perforation Information Plug # 2 (Step 4)
(1552)(1.459) = 198 / 04 Top **Bottom** 3203<sup>1</sup> Shts/Ft No Shts Dt Squeeze (ft sub) (ft sub) 5729 8467 Approved by the **Utah Division of** Oil, Gas and Mining 5642 CBAD 5742 **Formation Information Formation** Depth **GRRV** 1577 **PARCK** 3100 **BMSW** 3100 WSTC 4757 **MVRD** 7574 Tubing: 2.375 in. @ 7953 ft. Production: 4.5 in. @ 8557 ft. Hole: 7.875 in. @ 8557 ft. 8467 TD: 8557 TVD: 8557 PBTD: 8490

NBU 440 1727' FNL & 515' FWL SWNW - Section 34 - T9S - R21E Uintah County, UT

KBE: API NUMBER: 4973 43-047-34785 GLE: 4958' LEASE NUMBER: U-01194-A-ST TD: 8557' WI: 100.000000% PBTD: NRI: 8090' (CIBP) 81.24800% ORRI: 7.592840%

**CASING:** 12.25" hole

9.625", 32.3#, H-40 @ 1995' w/125 sx Class G cement (15.6 ppg, 1.18 cuft/sx yield) out casing shoe. Pumped a top job in four stages using Class G cement mixed at 16.0 ppg, 1.1 cuft/sx yield as follows:

- Stage 1, 100 sx, no returns.
- Stage 2, 225 sx, no returns.
- Stage 3, 100 sx, cement to surface, but fell back down annulus.
- Stage 4, 40 sx, cement to surface and annulus stayed full.
- Primary Cement Job Coverage, 1524-1995' by calculation
- Top job coverage, 0-1633' by calculation.

Cement fill from surface to 1995' by calculation and observation.

7.875" hole

4.5", 11.6#, I-80 @ 8557' w/460 sx HiLite G lead, 2030 sx 50-50 Pozmix tail. Circulated 50 bbl cement to surface, TOC @ 130' by CBL.

**TUBING:** 2.375" 4.7# J-55 landed at 7679'

Tubular/Borehole	oular/Borehole Drift Collapse Burst			Capacities		
	inches	psi	Psi	Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.0217	0.00387
					3	
4.5" 11.6# N/M/I-80 csg	3.875	6350	7780	0.6528	0.0872	0.01554
9.625" 32.3# H-40 csg	8.845	1400	2270	3.3055	0.4418	0.0787
Annular Capacities						
2.375" tbg. X 4.5" 11.6# cs	0.4226	0.0565	0.01006			
4.5" csg. X 9.625" 32.3# c	2.4780	0.3314	0.0590			
4.5" csg. X 7.875" hole	1.7052	0.2278	0.0406			
9.625" csg. X 12.25" hole				2.3436	0.3132	0.0558

# **GEOLOGIC INFORMATION:**

Formation Depth to top, ft.

Uinta Surface
Green River 1482'
Mahogany 2115'
Parachute Member 3103'
Wasatch 4757'
Mesa Verde 7574'

# Tech. Pub. #92 Base of USDW's

USDW Elevation ~2100' MSL USDW Depth ~2758' GLE

This depth is inconsistent with actual samples taken from the Bird's Nest at numerous other wells in the immediate vicinity.

# **PERFORATIONS**

Formation	Date	Тор	Bottom	SPF	Status
Wasatch	5/18/2006	5792	5796	4	Open
Wasatch	5/18/2006	5854	5859	4	Open
Wasatch	5/17/2006	6548	6550	4	Open
Wasatch	5/17/2006	6867	6871	4	Open
Wasatch	5/17/2006	7296	7300	4	Open
Mesa Verde	5/17/2006	7754	7757	4	Open
Mesa Verde	5/17/2006	7862	7867	4	Open
CIBP	6/30/2004	8100			
Mesa Verde	5/14/2006	8136	8138	4	Excluded
Mesa Verde	5/14/2006	8330	8334	4	Excluded
Mesa Verde	5/14/2006	8390	8394	4	Excluded
Mesa Verde	5/14/2006	8440	8444	4	Excluded
Mesa Verde	5/14/2006	8466	8467	4	Excluded

# **WELL HISTORY**

## Completion - May 2004

- Ran CBL with cement top at 130'. Perforated the gross Mesa Verde interval 8136' through 8467' and fractured with 2216 bbl gel containing 300258# 20/40 mesh sand.
- Perforated the gross Mesa Verde interval 7754' through 7867' and fractured with 1830 bbl gel containing 250140# 20/40 mesh sand.
- Perforated the gross Wasatch interval 6548' through 7300' and fractured with 1113 bbl gel containing 149344# 20/40 mesh sand.
- Perforated the gross Wasatch interval 5792' through 5859' and fractured with 1213 bbl gel containing 203026# 20/40 mesh sand.
- Drilled out to original PBTD and landed tubing at 7953'.
- Tested 469 MCFD, 0 BOPD, 469 BWPD, 99 psi FTP, 800 psi SICP, 24/64<sup>th</sup> choke on 5/23/2004.

#### Workover #1 - June 2004

- Cleaned out sand from 8280' to original PBTD.
- Ran packer to 5680' and pressure tested annulus to 3000 psi.
- Set packer at 7990', swabbed to kick off, tested tubing and annulus sides with inconclusive results. Set packer at 7730', swabbed to kick off, tested tubing and annulus sides with inconclusive results.
- Set CIBP at 8100' with 10' of cement on top.
- Landed tubing at 7679' and RTP.

# NBU 440 PERMANENT ABANDONMENT PROCEDURE

#### **GENERAL**

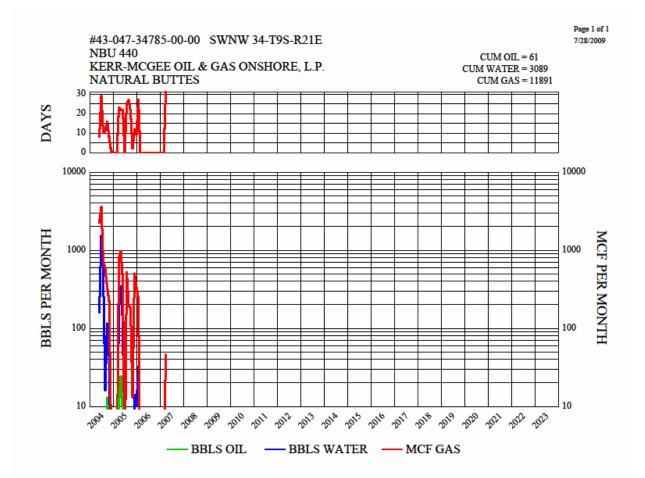
- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED PRODUCED WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5
  GALLSONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

# **PROCEDURE**

Note: An estimated 160 sx Class "G" cement needed for procedure Note: Gyro ran to 6000' on 4/25/08

- 1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
- 2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
- 3. PLUG #1, ISOLATE WASATCH/MESAVERDE PERFORATIONS (5792' 7867'): RIH W/ 4 ½" CIBP. SET @ ~5742'. RELEASE CIBP, BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE 4 SX (4.36 CUFT.) ON TOP OF PLUG. PUH ABOVE TOC (~5692'). REVERSE CIRCULATE W/ TREATED WATER.
- 4. PLUG #2, PROTECT BASE OF PARACHUTE MEMBER (~3103'): PUH TO ~3203'. BRK CIRC W/ FRESH WATER. DISPLACE 17.44 CUFT. (~15 SX) AND BALANCE PLUG W/ TOC @ ~3003' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
- 5. PLUG #3, PROTECT MAHOGANY TOP (~2115) & BASE OF USDW'S (~2100): PUH TO ~2215'. BRK CIRC W/ FRESH WATER. DISPLACE 18.75 CUFT. (~16 SX) AND BALANCE PLUG W/ TOC @ ~2000' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
- 6. PLUG #3, PROTECT GREEN RIVER TOP (~1482): PUH TO ~1582'. BRK CIRC W/ FRESH WATER. DISPLACE 17.44 CUFT. (~15 SX) AND BALANCE PLUG W/ TOC @ ~1382' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
- 7. **PLUG #4, SURFACE:** POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ ~300' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP A MINIMUM OF 125.58 CUFT. (~110 SXS) OR SUFFICIENT VOLUME TO FILL ANNULUS AND CASING TO SURFACE.
- 8. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
- 9. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM 5/11/10



DEPARTMENT OF ANTURAL RESOURCES DIVISION OF DIL, EAS, AND MINING  SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for processils to drill new wells, significantly deepen existing wells below current of the processils to drill new wells, significantly deepen existing wells below current of the processils to drill new wells, significantly deepen existing wells below current of the processils to drill new wells, significantly deepen existing wells below current of the processils to drill new wells, significantly deepen existing wells below current of the processils to drill new wells, significantly deepen existing wells below current of the processils to drill new wells, significantly deepen existing wells below current.  TYPE OF WELL COSS Well 1997 The Processils of the processils to drill new wells, significantly deepen existing wells below current.  P. J. Wall of California and the processils to drill new wells, significantly deepen existing wells below current.  Supplied to the processils to drill new wells, significantly deepen existing wells below current.  Supplied to the processils to drill new wells, significantly deepen existing wells below current.  Supplied to the processils to drill new wells, significantly deepen existing wells below current.  Supplied to the processils to drill new wells, significantly deepen existing wells below current.  Supplied to the processils to drill new wells, significantly deepen existing wells below current.  Supplied to the processils to drill new wells. Supplied to the processils of		FORM 9					
Do not use this form for proposals to drill new wells, significantly deeper existing wells below current bottom-hold depth, reenter plusged wells, or to drill hortontal laterals. Use APPLICATION FOR PERMIT TO MULTICATE MATURAL BUTTES  1. TYPE OF WELL CAGS Well  2. NAME OF OPERATOR: 3. ADDRESS OF OPERATOR: 4. LOCATION OF WELL COLOR OF WE							
DOBUTION-DOS CAPTURES PROPOSED OR COMPLETED OPERATORS    DEED   COMPLET   COMPLET   CONTINUE	SUND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
ALDEZE OF SUBMISSION  TYPE OF SUBMISSION  ACIDIZE  ACIDIZ	bottom-hole depth, reenter plu	igged wells, or to drill horizontal laterals. Use					
ADDRESS OF OPERATOR:  3. ADDRESS OF OPERATOR:  9. Dos 17379 1099 18th Street, Suite 600, Denver, CO, 80217 3779  4. LOCATION OF WELL  1727 PAI. 0515 FWI.  QITA/GIR, SECTION, TOWNSHIP, RANGE, MERIDIAN: QITA/							
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 720 929-6007 Ext Name (Learning France)		HORE, L.P.					
PROTICE OF INTENT Approximate date work will start:    DRILLING REPORT   DRILLING RE		treet, Suite 600, Denver, CO, 80217 3779					
11.  CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  ACIDIZE ALTER CASING ALT	FOOTAGES AT SURFACE:						
TYPE OF SUBMISSION    ACIDIZE							
ACIDIZE   ALTER CASING   CASING REPAIR     NOTICE OF INTENT   APPROXIMATE det work will start:   CHANGE WELL STATUS   COMMINGLE PRODUCING FORMATIONS   CONVERT WELL TYPE     SUBSEQUENT REPORT   DOBE OF WICK Completion:   G/4/2010   OPERATOR CHANGE   FRACTURE TREAT   NEW CONSTRUCTION     SPUD REPORT   DOBE OF WICK COMPLETED OPERATIONS   SIDETACK TO REPAIR WELL   TEMPORARY ABANDON     DRILLING REPORT   WATER SHUTOFF   SI TA STATUS EXTENSION   APP EXTENSION   APP EXTENSION     WILDCAT WELL DETERMINATION   OTHER   OTHER    12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.     THE OPERATOR HAS CONCLUDED THE PLUG AND ABANDONMENT     OPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW Accepted by the PLUGGED AND ABANDONNENT CHRONOLOGICAL WELL HISTORY.   Oil, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY.   Oil, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY.   Oil, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY.   Oil, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY.   Oil, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY   Oil, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY   Oil, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY   Oil, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY   Oil, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY   OIL, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY   OIL, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY   OIL, Gas and Mining     FOR RECOMPLETED OPERATIONS ON THE SUBJECT WELL HISTORY   OIL, GAS AND WELL HISTORY     OF THE SUBJECT WELL HISTORY   OIL, GAS AND WELL HISTORY     OF THE SUBJECT WELL HISTORY   OIL, GAS AND WELL HISTORY     OF THE SUBJECT WELL HISTORY   OIL, GAS AND WELL HISTORY     OIL OF THE SUBJECT WELL H		CK APPROPRIATE BOXES TO INDICATE I	NATURE OF NOTICE, REPORT,	OR OTHER DATA			
NOTICE OF INTENT	TYPE OF SUBMISSION		TYPE OF ACTION				
Approximate date work will start:    Sussequent report   Date of Work Completion: 6/4/2010   OPERATOR CHANGE   PLUG AND ABANDON   PLUG BACK     SPUD REPORT   Date of Work Completion: 6/4/2010   OPERATOR CHANGE   PRODUCTION START OR RESUME   RECLAMATION OF WELL SITE   RECOMPLETE DIFFERENT FORMATION     SUBJICATION OF WELL SITE   RECOMPLETE DIFFERENT FORMATION     OPERATOR CHANGE   PRODUCTION START OR RESUME   RECLAMATION OF WELL SITE   RECOMPLETE DIFFERENT FORMATION     OPERATOR CHANGE   PROPOSED OR COMPLETE DEPERATION   SITA STATUS EXTENSION   APP EXTENSION     OPERATION OR OTHER   SITA STATUS EXTENSION   APP EXTENSION     OPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW Accepted by the PLUGGED AND ABANDONED. PLEASE REFER TO THE ATTACHED PLUG AND USED ON ABANDONED. PLEASE REFER TO THE ATTACHED PLUG AND USED ON ABANDONENT OF RECOMPLETE DEPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW Accepted by the PLUGGED AND ABANDONED. PLEASE REFER TO THE ATTACHED PLUG AND USED ON ABANDONE OF AB		ACIDIZE	ALTER CASING	CASING REPAIR			
CHANGE WELL STATUS CHANGE PRODUCTING FORMATIONS CHANGE WELL STATUS CHANGE PRODUCTING FORMATIONS CONVERT WELL TYPE    DEEPEN   FRACTURE TREAT   NEW CONSTRUCTION     SPUD REPORT   OPERATOR CHANGE   PLUG AND ABANDON   PLUG BACK     PRODUCTION START OR RESUME   RECLAMATION OF WELL SITE   RECOMPLETE DIFFERENT FORMATION     DRILLING REPORT   WATER SHUTOFF   SITA STATUS EXTENSION   APD EXTENSION     WILLOAT WELL DETERMINATION   OTHER    12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  THE OPERATOR HAS CONCLUDED THE PLUG AND ABANDONMENT OPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW Accepted by the PLUGGED AND ABANDONMENT CHRONOLOGICAL WELL HISTORY.  OBTAIN OF THE SUBJECT WELL LOCATION. THIS WELL IS NOW ACCEPTED OPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW DIL GAS and Mining ABANDONMENT CHRONOLOGICAL WELL HISTORY.  OIL, Gas and Mining FOR RECUMENT OF THE STATUS OF TH		☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
Detect of Work Completions: 6/4/2010   DEPTILITION   DEPTI		☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SPUD REPORT   CAND ARABIC	Date of Work Completion:	☐ DEEPEN ☐	FRACTURE TREAT	☐ NEW CONSTRUCTION			
Date of Spud: Da	6/4/2010	☐ OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK			
DBILLING REPORT REPORT DATE:  DBILLING REPORT REPORT DATE:  WATER SHUTOFF SITA STATUS EXTENSION OTHER  TILE REPORTATIONS OR COMPLETED OPERATIONS. Clearly show all pertansion to the pulling dates, depths, volumes, etc.  THE OPERATOR HAS CONCLUDED THE PLUG AND ABANDONMENT OPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW Accepted by the PLUGGED AND ABANDONED. PLEASE REFER TO THE ATTACHED PLUG AND Utah Division of ABANDONMENT CHRONOLOGICAL WELL HISTORY.  Oil, Gas and Mining FOR RECORD FOR RECORD AND ABANDONLY  NAME (PLEASE PRINT) Andy Lytte 720 929-6100  PHONE NUMBER REGulatory Analyst  SIGNATURE  DATE	SPUD REPORT	☐ PRODUCTION START OR RESUME ☐	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
DRILLING REPORT REPORT WILD AND LADD EXTENSION OTHER OTHER:  12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  THE OPERATOR HAS CONCLUDED THE PLUG AND ABANDONMENT OPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW Accepted by the PLUGGED AND ABANDONED. PLEASE REFER TO THE ATTACHED PLUG AND Utah Division of ABANDONMENT CHRONOLOGICAL WELL HISTORY.  Oil, Gas and Mining FOR RECORD.  POR RECORD.  NAME (PLEASE PRINT) Andy Lytle 720 929-6100  PHONE NUMBER Regulatory Analyst  SIGNATURE  DATE	Date of Spud:	☐ REPERFORATE CURRENT FORMATION ☐	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
NAME (PLEASE PRINT) Andy Lytle  NAME (PLEASE PRINT) Andy Lytle  T20. 929-6100  WILDCAT WELL DETERMINATION OTHER  O		☐ TUBING REPAIR ☐	VENT OR FLARE	WATER DISPOSAL			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  THE OPERATOR HAS CONCLUDED THE PLUG AND ABANDONMENT OPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW Accepted by the PLUGGED AND ABANDONED. PLEASE REFER TO THE ATTACHED PLUG AND Utah Division of ABANDONMENT CHRONOLOGICAL WELL HISTORY.  Oil, Gas and Mining FOR RECORD.  ONLY  NAME (PLEASE PRINT) Andy Lytle 720 929-6100  PHONE NUMBER Regulatory Analyst SIGNATURE  DATE		☐ WATER SHUTOFF ☐	SI TA STATUS EXTENSION	APD EXTENSION			
THE OPERATOR HAS CONCLUDED THE PLUG AND ABANDONMENT OPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW Accepted by the PLUGGED AND ABANDONED. PLEASE REFER TO THE ATTACHED PLUG AND Utah Division of ABANDONMENT CHRONOLOGICAL WELL HISTORY.  Oil, Gas and Mining FOR RECORD ONLY  NAME (PLEASE PRINT) Andy Lytle 720 929-6100  PHONE NUMBER Andy Lytle 720 929-6100  PLEASE REFER TO THE ATTACHED PLUG AND Utah Division of ABANDONMENT CHRONOLOGICAL WELL HISTORY.  OIL, Gas and Mining FOR RECORD.  TITLE Regulatory Analyst  SIGNATURE  DATE		□ WILDCAT WELL DETERMINATION □	OTHER	OTHER:			
OPERATIONS ON THE SUBJECT WELL LOCATION. THIS WELL IS NOW Accepted by the PLUGGED AND ABANDONED. PLEASE REFER TO THE ATTACHED PLUG AND Utah Division of ABANDONMENT CHRONOLOGICAL WELL HISTORY.  Oil, Gas and Mining FOR RECORD, ONLY  NAME (PLEASE PRINT) Andy Lytle 720 929-6100  PHONE NUMBER Regulatory Analyst  SIGNATURE  DATE	12. DESCRIBE PROPOSED OR CO	   MPLETED OPERATIONS. Clearly show all pertine	ent details including dates, depths, v	olumes, etc.			
PLUGGED AND ABANDONED. PLEASE REFER TO THE ATTACHED PLUG AND Utah Division of ABANDONMENT CHRONOLOGICAL WELL HISTORY.  Oil, Gas and Mining FOR RECORD ONLY  NAME (PLEASE PRINT) Andy Lytle 720 929-6100  PHONE NUMBER Regulatory Analyst  SIGNATURE  DATE							
ABANDONMENT CHRONOLOGICAL WELL HISTORY.  Oil, Gas and Mining FOR RECORD ONLY  NAME (PLEASE PRINT) Andy Lytle 720 929-6100  PHONE NUMBER Regulatory Analyst  SIGNATURE  DATE							
NAME (PLEASE PRINT) Andy Lytle 720 929-6100  PHONE NUMBER Regulatory Analyst SIGNATURE  PAGE RECORD ONLY  TITLE Regulatory Analyst  DATE							
NAME (PLEASE PRINT) Andy Lytle 720 929-6100  PHONE NUMBER Regulatory Analyst  SIGNATURE  DATE	ADAND	ONMENT CHRONOLOGICAL WEL		•			
Andy Lytle 720 929-6100 Regulatory Analyst  SIGNATURE DATE			FUR	RECORPIONLY			
Andy Lytle 720 929-6100 Regulatory Analyst  SIGNATURE DATE				·			
Andy Lytle 720 929-6100 Regulatory Analyst  SIGNATURE DATE							
Andy Lytle 720 929-6100 Regulatory Analyst  SIGNATURE DATE							
Andy Lytle 720 929-6100 Regulatory Analyst  SIGNATURE DATE							
Andy Lytle 720 929-6100 Regulatory Analyst  SIGNATURE DATE							
Andy Lytle 720 929-6100 Regulatory Analyst  SIGNATURE DATE							
Andy Lytle 720 929-6100 Regulatory Analyst  SIGNATURE DATE							
Andy Lytle 720 929-6100 Regulatory Analyst  SIGNATURE DATE							

#### **US ROCKIES REGION Operation Summary Report** Well: NBU 440 Spud Date: 4/9/2004 Project: UTAH-UINTAH Site: NBU 440 Rig Name No: MILES 2/2 **Event: ABANDONMENT** End Date: Start Date: 6/2/2010 Active Datum: RKB @4.972.99ft (above Mean Sea Leve UWI: NBU 440 Code P/U Date Phase MD From Time Duration Sub Operation Start-End Code (hr) (ft) 6/2/2010 12:00 - 16:00 4.00 **ABAND** 30 Α Ρ ROAD RIG FROM NBU 36D TO LOC, MIRU, SDFN 7:00 - 7:15 6/3/2010 0.25 48 Р JSA-SASFETY MEETING #2 **ABAND** 7:15 - 9:00 1.75 **ABAND** 31 NO PRESSURE ON WELL, N/D WH N/U BOPS, TIH W/ 64 JTS 2 3/8" TBG W/ SCAN TBG OUT ALL YELLOW BAND. 9:00 - 11:00 2.00 **ABAND** Ρ R/U CASEDHOLE WIRELINE RIH W/ 4 1/2" GAUGE 34 RING SET DN @ 5689', P/O HAD CEMENT IN BAILER, RIH W/ 4 1/2" CIBP, SET CIBP @ 5680', R/D WIRELINE, 11:00 - 16:00 5.00 **ABAND** Ρ TIH W/ 2 3/8" TBG W/ TALLY TBG AND P/U POFF 31 TRAILER, TIH TAG CIBP @ 5680', HOOK UP ESTB CIRC DN TBG OUT CSG, CIRC 100 BBLS AROUND, PRESSURE TEST CSG TO 500#, ok, SWI, SDFN, 6/4/2010 7:00 - 7:15 0.25 **ABAND** 48 JSA-SAFETY MEETING #3, 7:15 - 15:00 7.75 **ABAND** 51 D Р NO PRESSURE ON WELL, R/U PRO PETRO CEMENTERS, PRESSURE TEST SURFACE LINES TO 1000#, OK, ( PLUG #1 ) 5680', MIX AND PUMP 15 SACKS CLASS G CEMENT W/ SPOTTING CEMENT FROM 5680' TO 5482', P/O LAY DN 8 JTS ON TRAILER, HOOK UP AND REVERSE TBG OUT W/ GETTING COLOR CEMENT WTR BACK, P/O LAY DN 70 JTS ON TRAILER. ( PLUG #2 ) 3203', MIX AND PUMP 15 SACKS CLASS G CEMENT W/ SPOTTING CEMENT FROM 3203' TO 3005', P/O LAY DN 6 JTS ON TRAILER, REVERSE OUT TBG W/ GETTING TRACE CEMENT BACK, P/O LAY DN 25 JTS ON TRAILER, ( PLUG #3 & #4 ) 2215', MIX AND PUMP 65 SACKS CLASS G CEMENT W/ SPOTTING CEMENT FROM 2215' TO 1355', P/O LAY DN 30 JTS ON TRAILER, REVERSE OUT TBG W/ GETTING TRACE CEMENT BACK, P/O LAY DN 38 JTS ON TRAILER, (PLUG #5) 300', R/U CASEDHOLE WIRELINE, RIH W/ PERF GUN, PERF CSG @ 300' w 4-SPF, PUMP DN CSG W/ PRESSURE UP TO 1000#, BLEED OFF. RIH PERF CSG @ 100', 4-SPF, PUMP DN CSG W/ PRESSURE UP TO 1000#, BLEED DN SLOW,, R/D WIRELINE, RIH W/ 10 JTS 2 3/8" TBG TO @ 316', MIX 15 SACKS CEMENT PUMP DN TBG W/ SPOTTIND CEMENT FROM 316' TO SURFACE, P/O LAYED DN 10 JTS ON TRAILER, R/D SERVICE UNIT, DUG OUTAROUND WELL HEAD, CUT CSG OFF 6' BELOW SURFACE, SURFACE CSG WAS CEMENTED IN TO SURFACE, TOP OFF CSG W/ CEMENT, WELD ON DRY HOLE MARKER, COVER WELL UP, WELL IS P & A. SDFWE

	FORM 9					
	NG	5.LEASE DESIGNATION AND SERIAL NUMBER: U-01194-A-ST				
SUNDE	RY NOTICES AND REPORTS O	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	sals to drill new wells, significantly deepen e gged wells, or to drill horizontal laterals. Uso		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES			
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 440			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSI	HORE, L.P.		<b>9. API NUMBER:</b> 43047347850000			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th S	PHON treet, Suite 600, Denver, CO, 80217 3779	<b>IE NUMBER:</b> 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1727 FNL 0515 FWL QTR/QTR, SECTION, TOWNSHI	P, RANGE, MERIDIAN:		COUNTY: UINTAH			
	Township: 09.0S Range: 21.0E Meridian: S		STATE: UTAH			
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	☐ ACIDIZE	ALTER CASING	CASING REPAIR			
□ NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
✓ SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	□ NEW CONSTRUCTION			
Date of Work Completion: 3/10/2009	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK			
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
	☐ TUBING REPAIR	VENT OR FLARE	✓ WATER DISPOSAL			
☐ DRILLING REPORT	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
Report Date:		-				
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER: REMEDIAL WORK			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  THE OPERATOR HAS PERFORMED THE REMEDIAL WORK ON THE SUBJECT  WELL LOCATION. IN ACCORDIANCE WITH THE CORRECTIVE ACTIVITIES FOAccepted by the  THE EPA PERMIT NUMBER UT21146-07824. PLEASE REFER TO THE  ATTACHED CHRONOLOGICAL WELL HISTORY.  Oil, Gas and Mining  FOR RECORD ONLY  NAME (PLEASE PRINT)  PHONE NUMBER  TITLE						
NAME (PLEASE PRINT) Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	TITLE Regulatory Analyst				
SIGNATURE N/A		<b>DATE</b> 5/25/2010				

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 440 Spud Date: 4/9/2004									
Project: UTAH-UINTAH			Site: NBL	J 440				Rig Name No: SWABBCO 1/1	
Event: RE ENTE	ER		Start Date	Start Date: 3/5/2009				End Date: 3/10/2009	
Active Datum: R Level)	KB @4,972.99ft (abov	e Mean Sea		UWI: NBU 440					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
3/5/2009	7:00 - 17:30	10.50	WO/REP	07		Р		HSM RRTL & ALL EQUIPMENT RIG UP GUY OUT LAY ALL HARDLINE OPEN WELL TO TANK @ 2000/2000 PSI KILL TBG NDWH NUBOP KILL CSG UNLTBG STAND BACK 64 JNTS TO DERRICK = 2060' LD JNTS ON TRAILER BOTTOM 2000' OF TBG HAD COLLAR DAMAGE WILL NEED TO BE REPLACED DURING INSPECTION SWI SDFN	
3/6/2009	7:00 - 18:00	11.00	WO/REP	07		P		HSM R/U WIRELINE KILL WELL RIH SET 5K CIBP @ 5750' = 42' ABOVE TOP PERF LOAD & TEST CSG TO 1000 PSI HELD 10 MIN = GOOD TEST PERF 4SPF @ 1908' & 1660' TIH RBP & PKR SET RBP @ 2076' & PKR @ 2070' TEST RBP = GOOD TEST SET PKR @ 1877' BREAK DOWN PERFS @ 1908' INJ RATE OF 1/2 BPM @ 1400 PSI R/U WIRELINE PERFORM RATS TEST = GOOD TEST GRAB & RESET RBP @ 1690' & PKR @ 1490' BREAK DOWN PERFS @ 1660' INJ RATE OF 1/2 BPM @ 2200 PSI R/U WIRELINE PERFORM RATS TEST = GOOD TEST GRAB & RESET RBP @ 1660' INJ RATE OF 1/2 BPM @ 2200 PSI R/U WIRELNE PERFORM RATS TEST = GOOD TEST TOH RBP & PKR TIH CICR SET @ 1876' WITH 58 JNTS R/U CEMENTERS STING OUT OF CICR SPOT 6 BBLS CEMENT TO BOTTOM OF TBG STING INTO CICR P/100 SKS TOTAL G-NEAT CEMENT SQUEEZE OUT 600 PSI BELOW CICR LEFT 1/2 BBL CEMENT ABOVE CICR TOH TIH PKR & 42 JNTS SET @ 1362' = 298' ABOVE PERFS @ 1660' TEST ABOVE PKR TO 500 PSI = GOOD TEST R/U CEMENTERS P/100 SKS G-NEAT FOLLOWED BY 100 SKS 3% CALCIUM G-NEAT SQUEEZE OUT @ 400 PSI WITH 7BBLS IN ON FLUSH = 2 1/2 BBLS TO PERFS = CEMENT TOP @ 1500' = 160' OF CEMENT TO PERFS SWI SDFWE	
3/9/2009	7:00 - 18:30	11.50	WO/REP	07		Р		HSM TEST BELOW PKR TO 500 PSI = GOOD TEST RELEASE & TOH PKR TIH 3 3/4 BLADE BIT TAG CEMENT @ 1480' SWIVEL UP WITH JNT 46 DRILL CEMENT TO 1665' WITH JNT 52 = 5' PAST PERFS @ 1660' TEST SQUEEZE TO 500 PSI HELD 10 MIN = GOOD TEST TOH TIH 3 7/8 ROCK BIT STACK OUT ON CEMENT STRINGERS @ 1553' LD 12 JNTS TIH 6 STANDS P/U SWIVEL WITH JNT 49 SWIVEL IN TAG CEMENT @ 1848' WITH JNT 58 = 28' OF CEMENT ABOVE CICR DRILL CEMENT TO CICR @ 1876' DRILL ON CICR UNTIL 6:00 PM = 4 HRS SWIVEL OUT 2 JNTS SWI SDFN	
3/10/2009	7:00 -		WO/REP	07	A	Р		HSM SWIVEL IN 1 JNT DRILL UP CICR IN 2 1/2 HRS = 6 1/2 HRS ON CICR TOTAL DRILL CEMENT TO 1915' = 7' PAST PERFS @ 1908' TEST SQUEEZE TO 500 PSI HELD 10 MIN = GOOD TEST R/O SWIVEL TOH TIH PSN & 64 JNTS LTBG @ 2079.42' NDBOP NUWH SWI R/O PUMP & TANKS RDMO TO NBU 921 - 34L	

5/25/2010 1:48:09PM 1